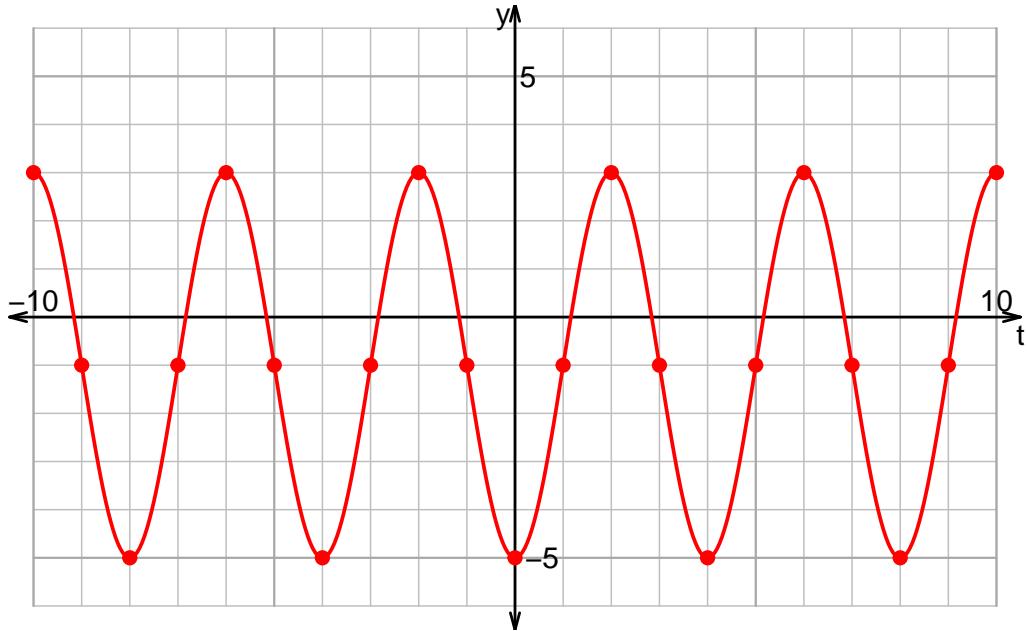


Name: _____

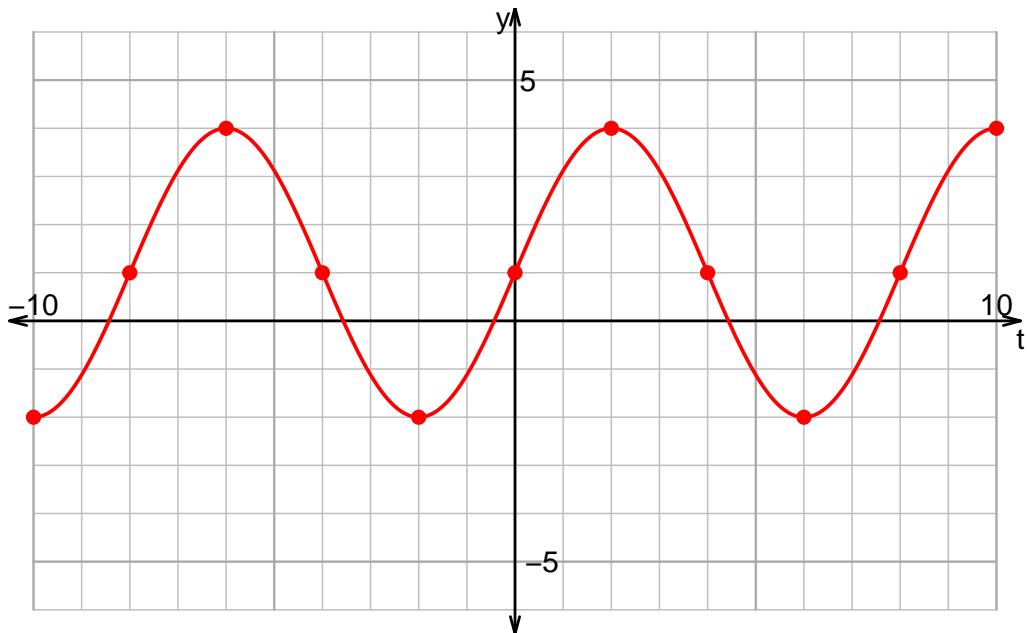
Date: _____

u15ws2: DRAW WAVES (SOLUTION v1)

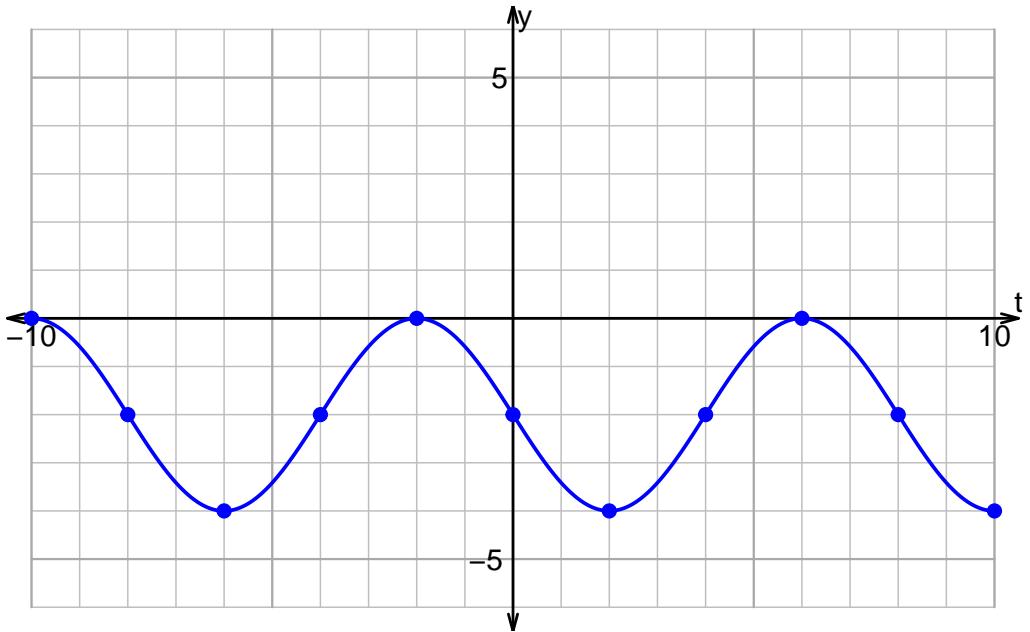
1. Plot $y = -4 \cos\left(\frac{\pi}{2}t\right) - 1$.



2. Plot $y = 3 \sin\left(\frac{\pi}{4}t\right) + 1$.

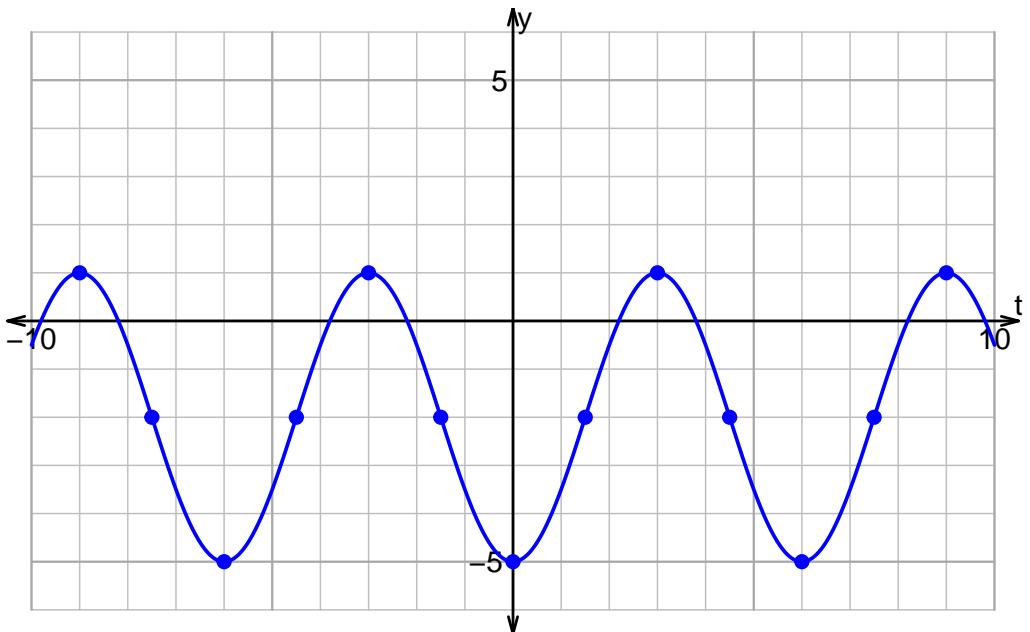


3. Give an equation for the plot below:



$$y = -2 \sin\left(\frac{\pi}{4}t\right) - 2$$

4. Give an equation for the plot below:



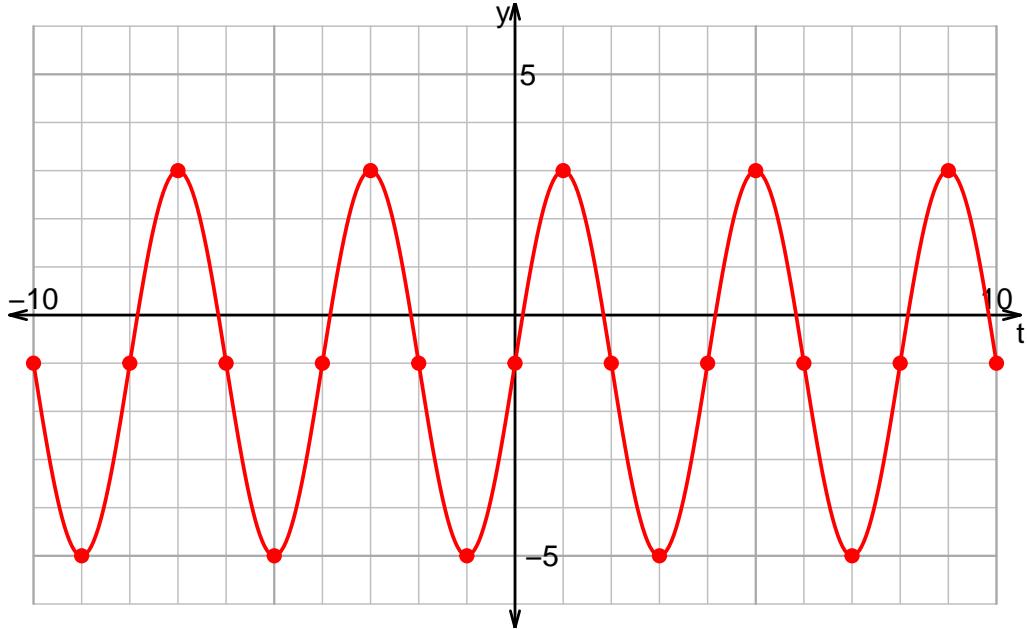
$$y = -3 \cos\left(\frac{\pi}{3}t\right) - 2$$

Name: _____

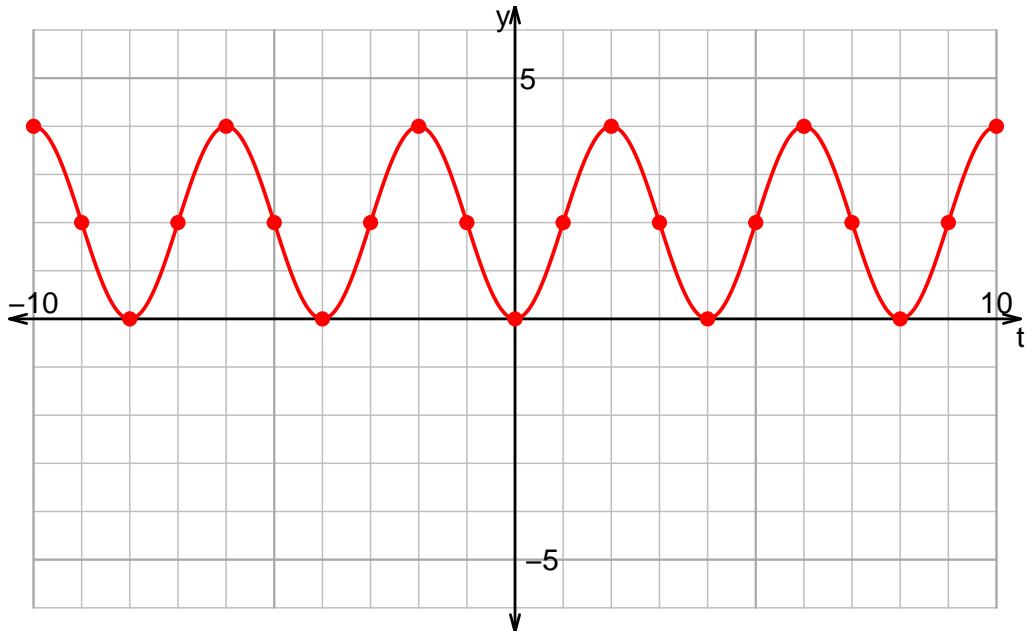
Date: _____

u15ws2: DRAW WAVES (SOLUTION v2)

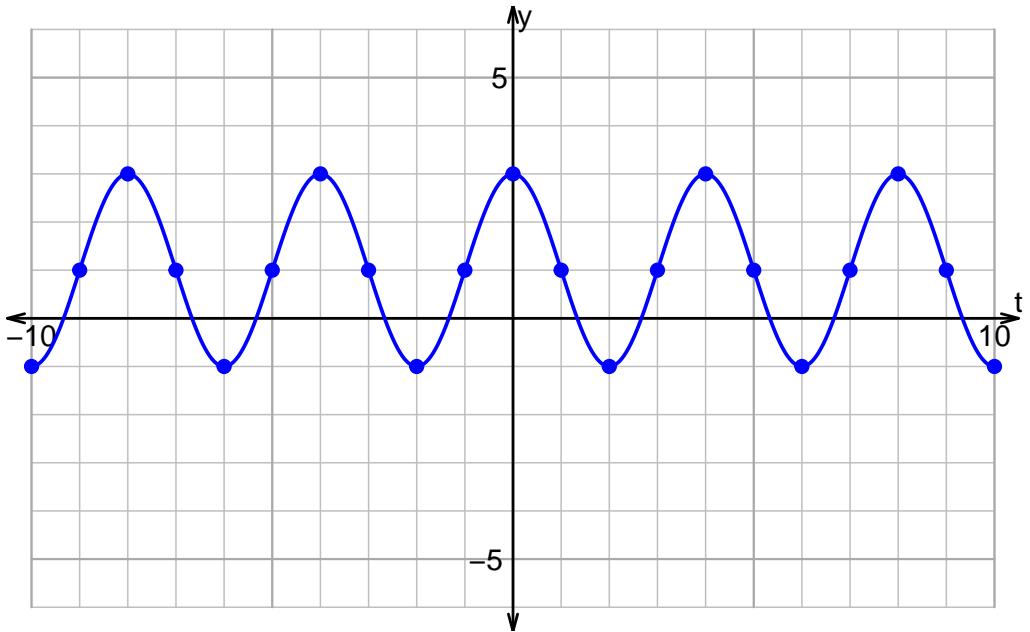
1. Plot $y = 4 \sin\left(\frac{\pi}{2}t\right) - 1$.



2. Plot $y = -2 \cos\left(\frac{\pi}{2}t\right) + 2$.

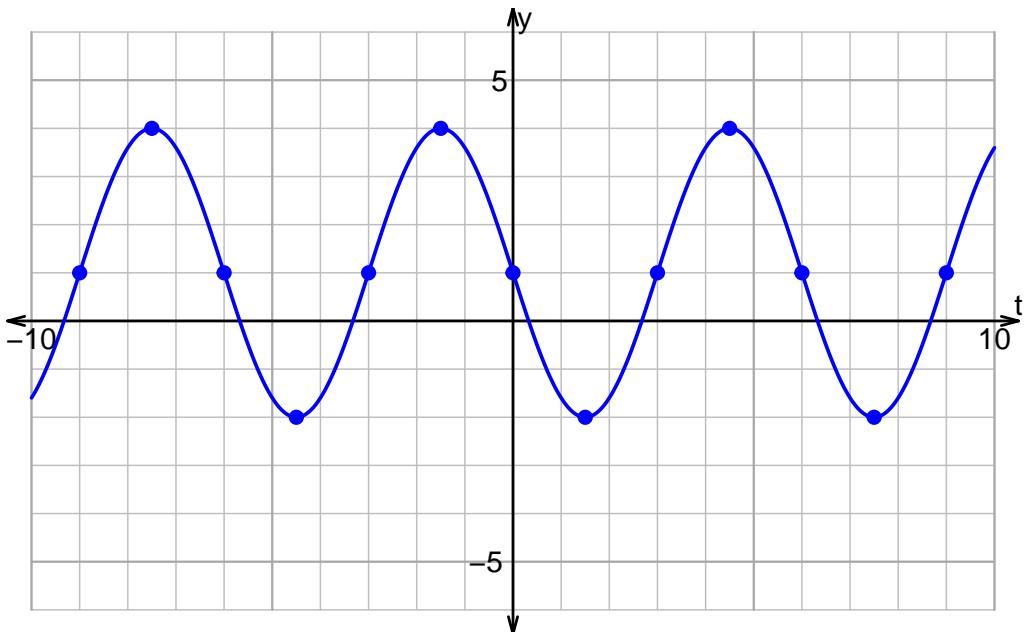


3. Give an equation for the plot below:



$$y = 2 \cos\left(\frac{\pi}{2}t\right) + 1$$

4. Give an equation for the plot below:



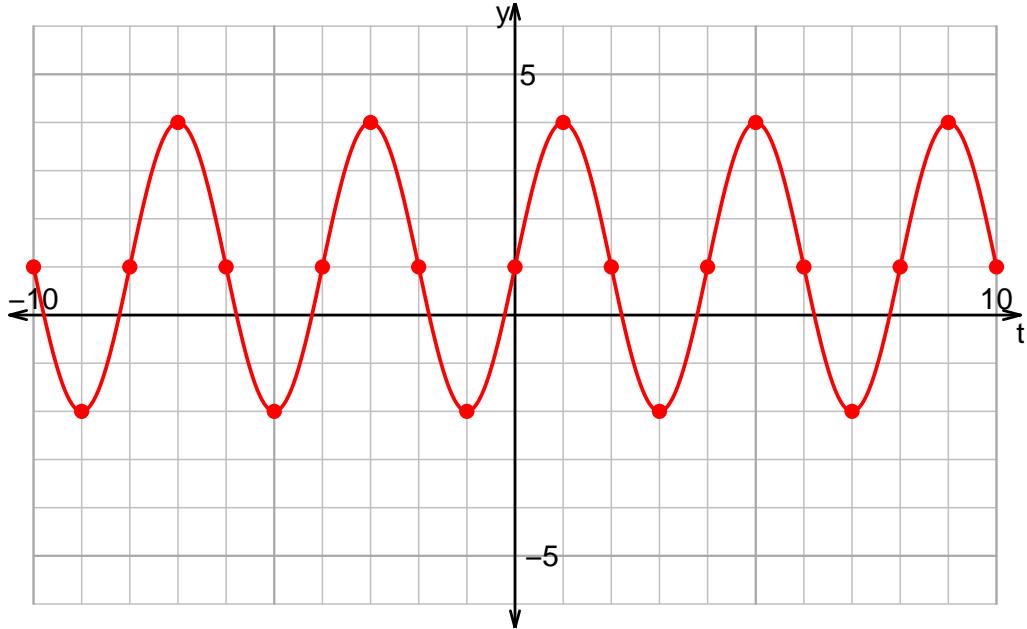
$$y = -3 \sin\left(\frac{\pi}{3}t\right) + 1$$

Name: _____

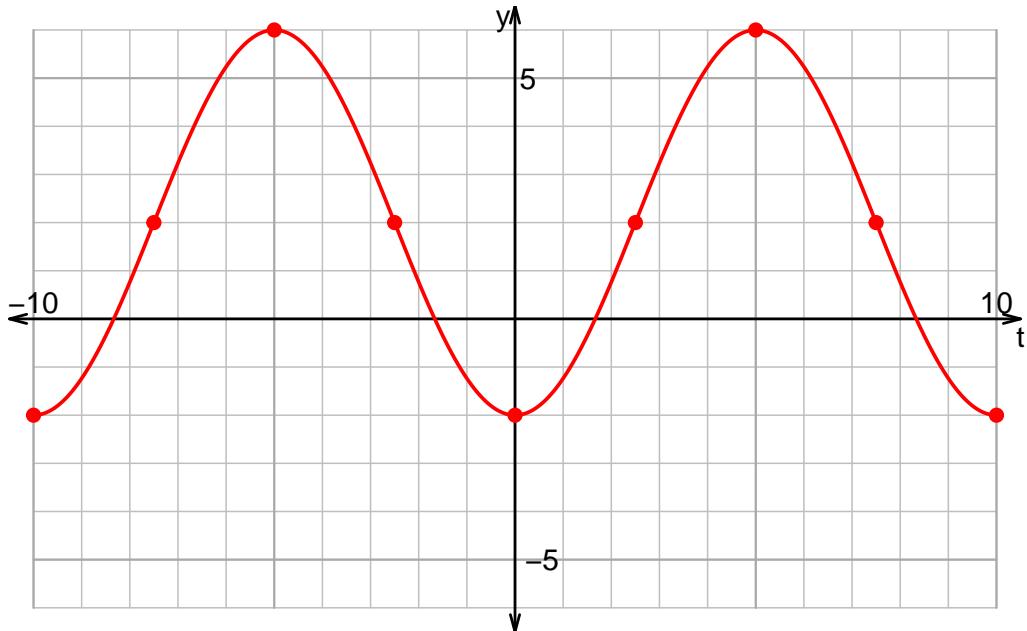
Date: _____

u15ws2: DRAW WAVES (SOLUTION v3)

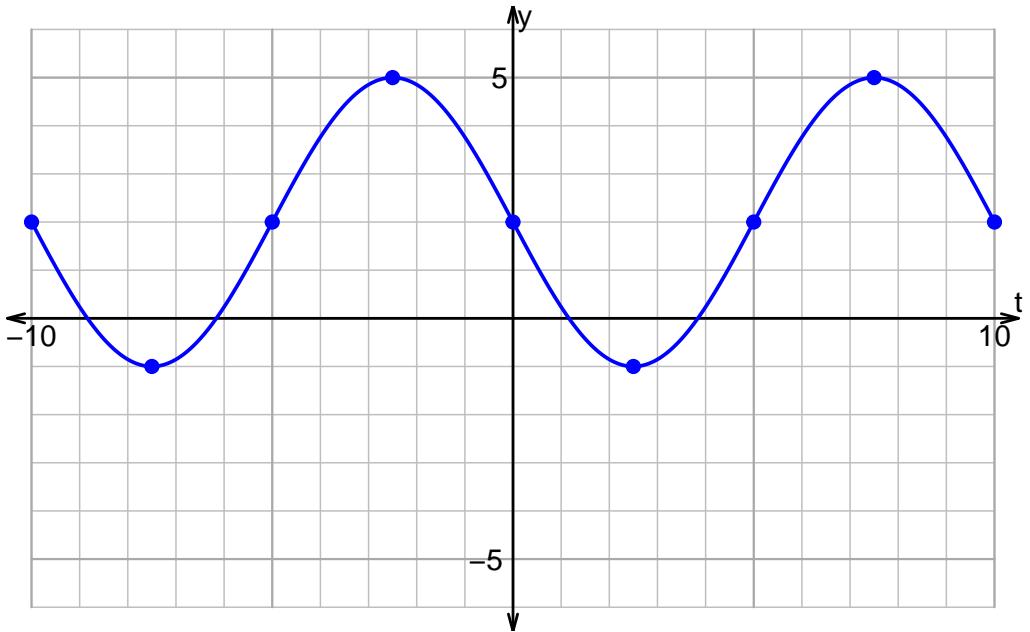
1. Plot $y = 3 \sin\left(\frac{\pi}{2}t\right) + 1$.



2. Plot $y = -4 \cos\left(\frac{\pi}{5}t\right) + 2$.

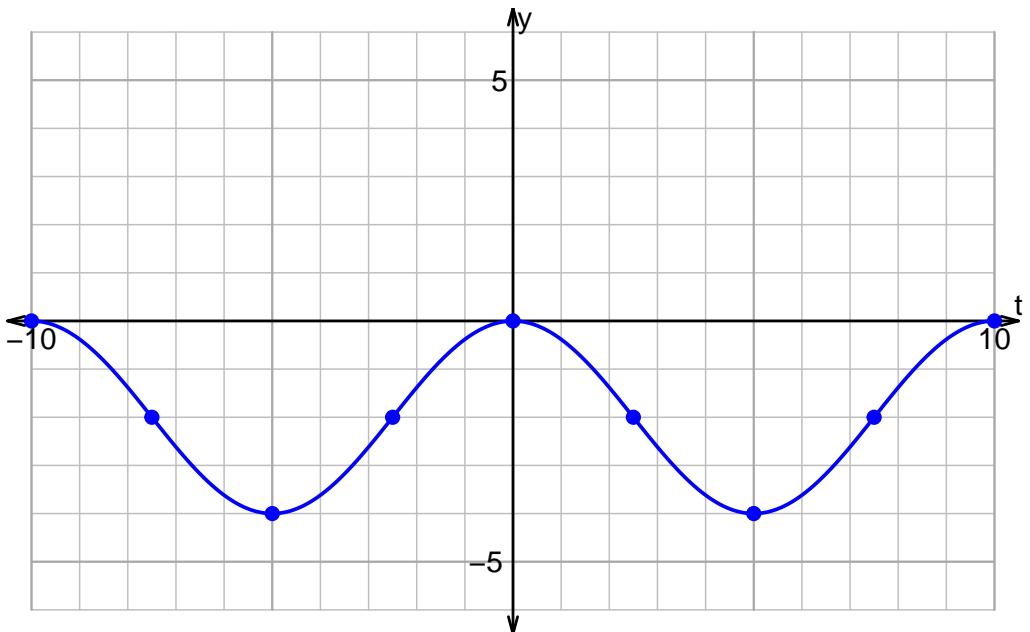


3. Give an equation for the plot below:



$$y = -3 \sin\left(\frac{\pi}{5}t\right) + 2$$

4. Give an equation for the plot below:



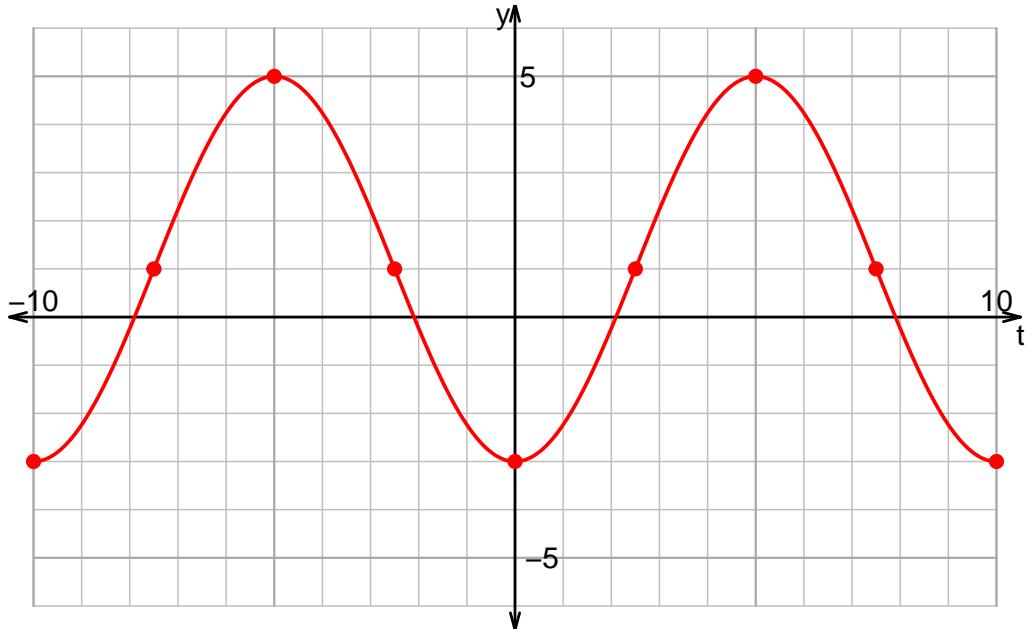
$$y = 2 \cos\left(\frac{\pi}{5}t\right) - 2$$

Name: _____

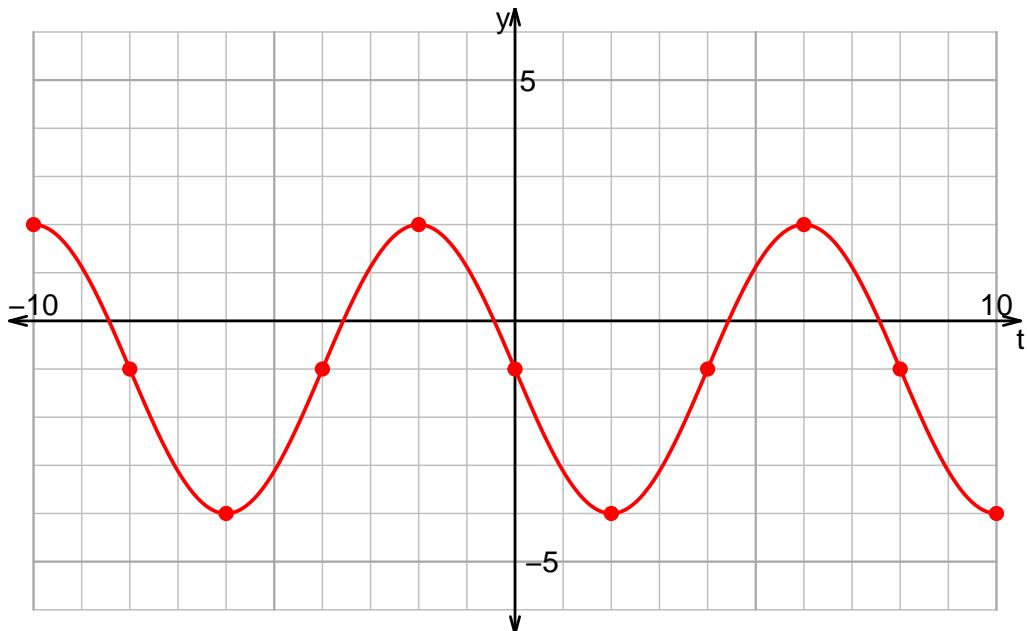
Date: _____

u15ws2: DRAW WAVES (SOLUTION v4)

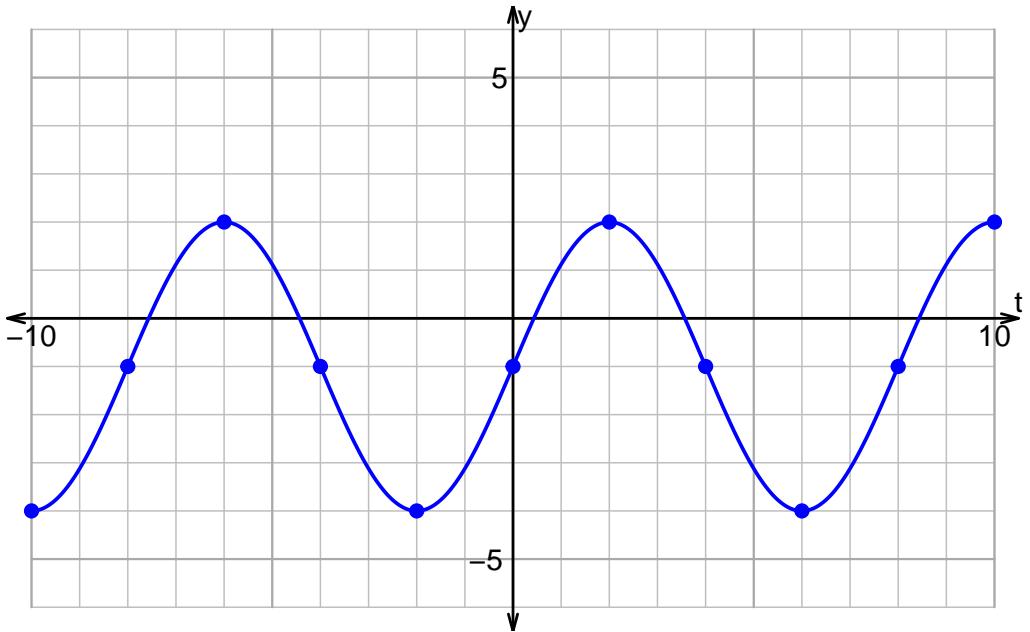
1. Plot $y = -4 \cos\left(\frac{\pi}{5}t\right) + 1$.



2. Plot $y = -3 \sin\left(\frac{\pi}{4}t\right) - 1$.

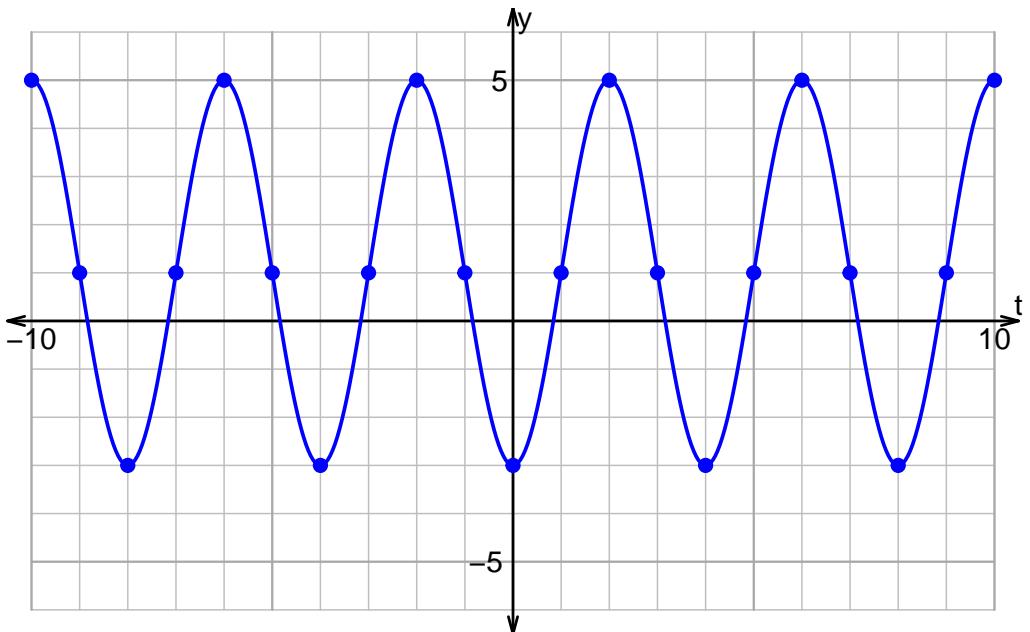


3. Give an equation for the plot below:



$$y = 3 \sin\left(\frac{\pi}{4}t\right) - 1$$

4. Give an equation for the plot below:



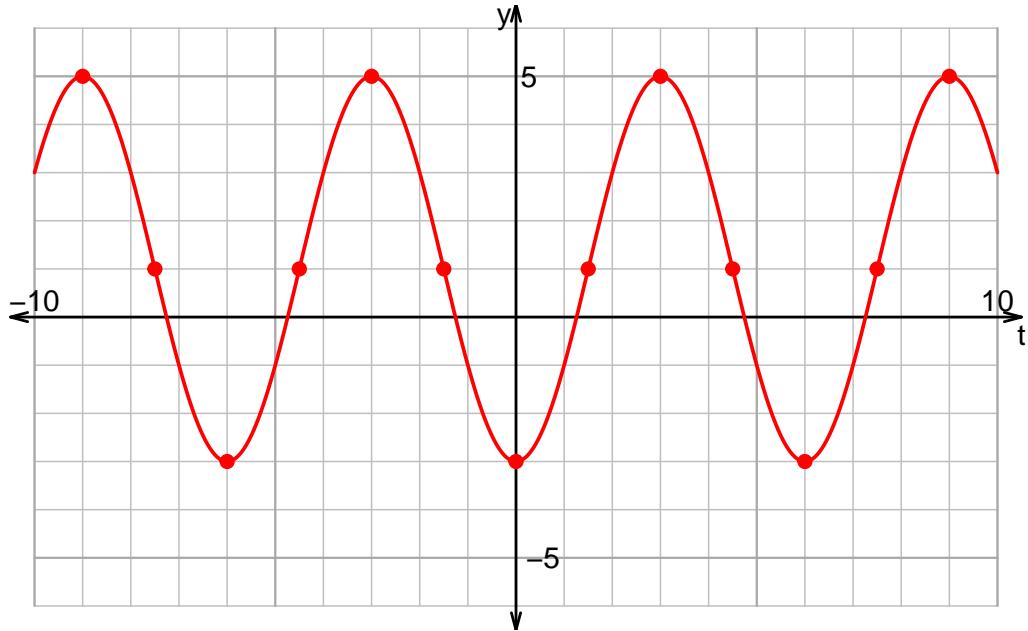
$$y = -4 \cos\left(\frac{\pi}{2}t\right) + 1$$

Name: _____

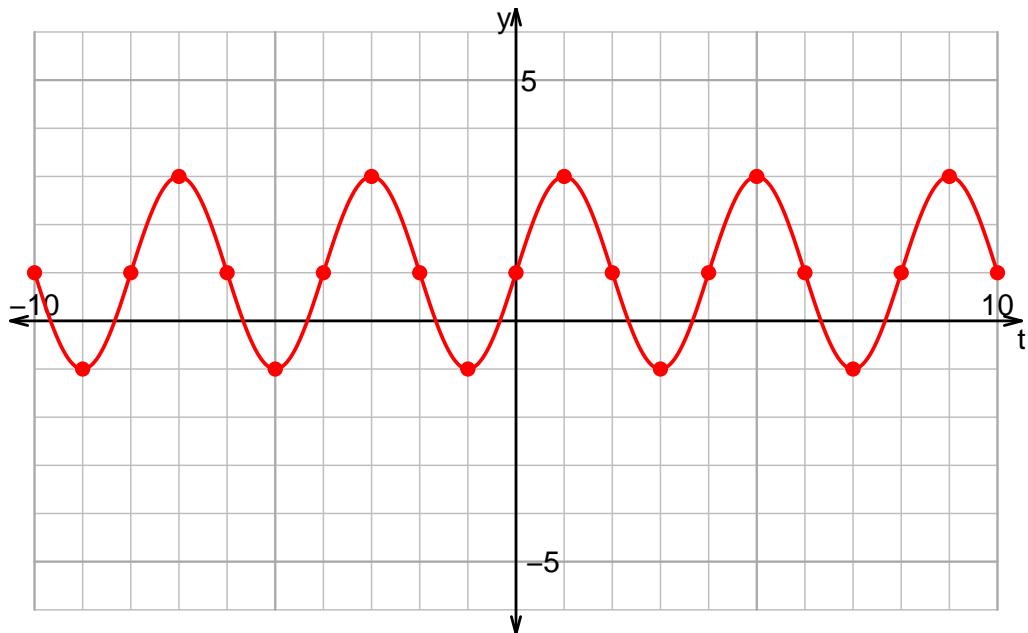
Date: _____

u15ws2: DRAW WAVES (SOLUTION V5)

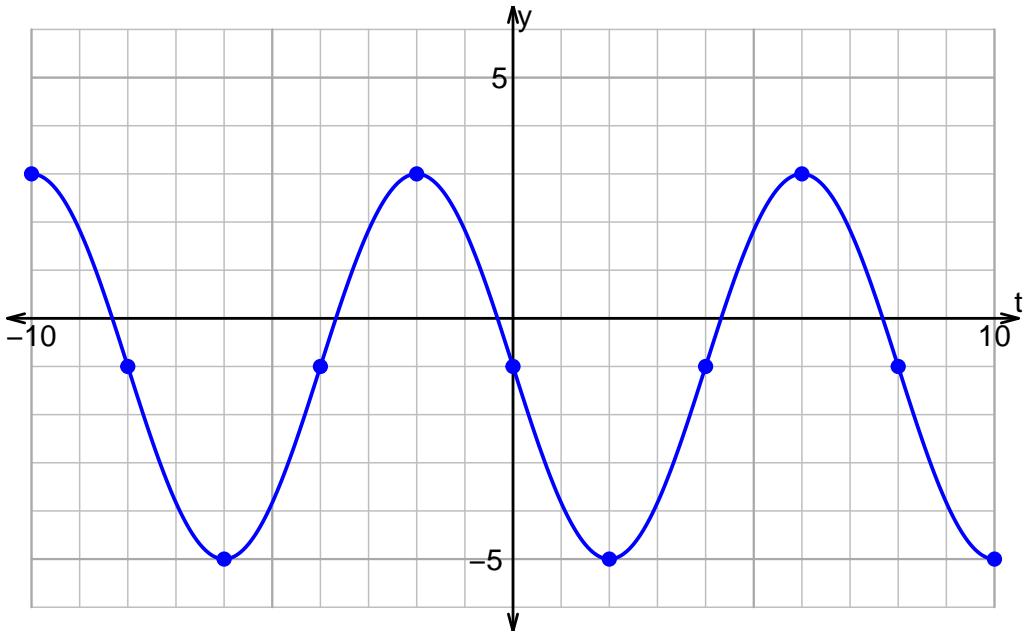
1. Plot $y = -4 \cos\left(\frac{\pi}{3}t\right) + 1$.



2. Plot $y = 2 \sin\left(\frac{\pi}{2}t\right) + 1$.

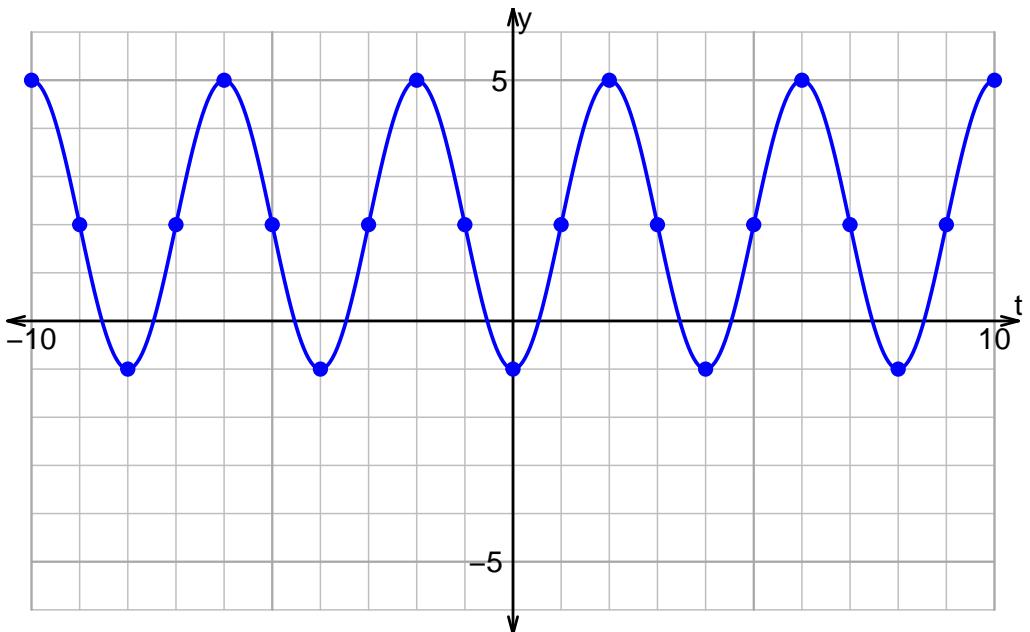


3. Give an equation for the plot below:



$$y = -4 \sin\left(\frac{\pi}{4}t\right) - 1$$

4. Give an equation for the plot below:



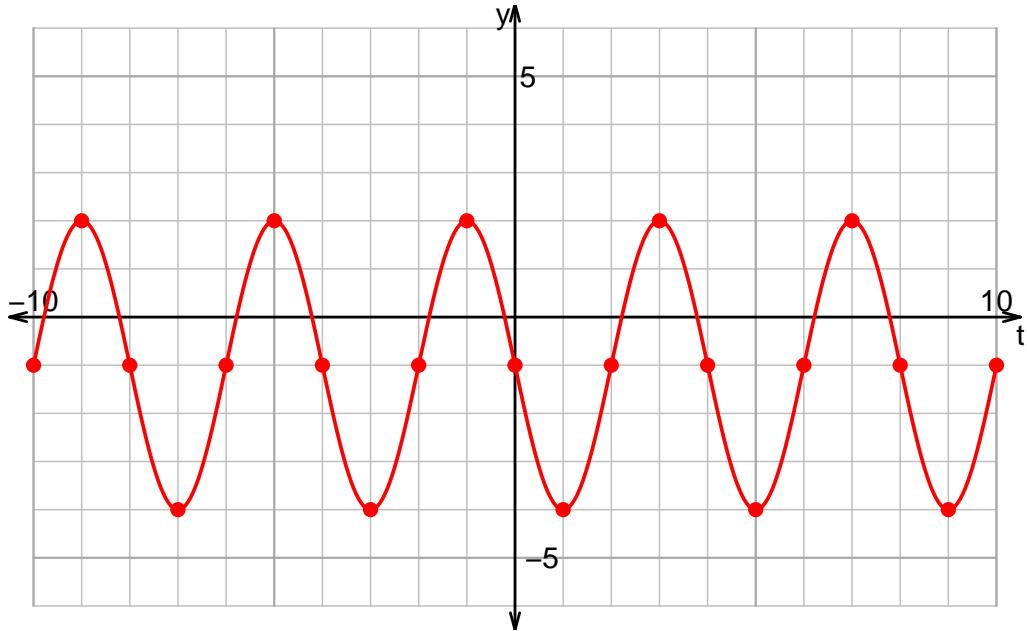
$$y = -3 \cos\left(\frac{\pi}{2}t\right) + 2$$

Name: _____

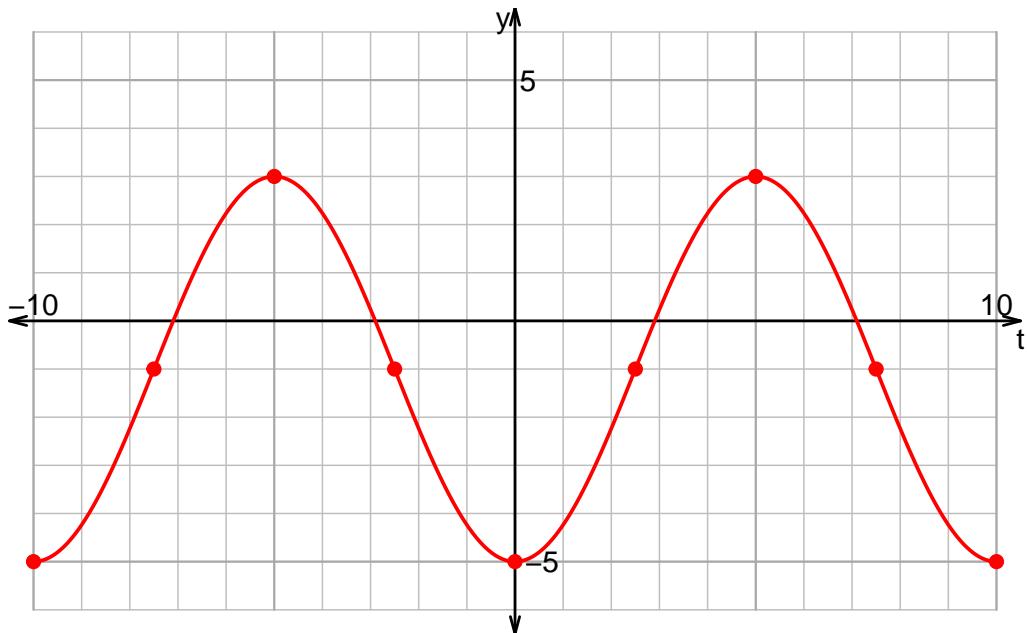
Date: _____

u15ws2: DRAW WAVES (SOLUTION v6)

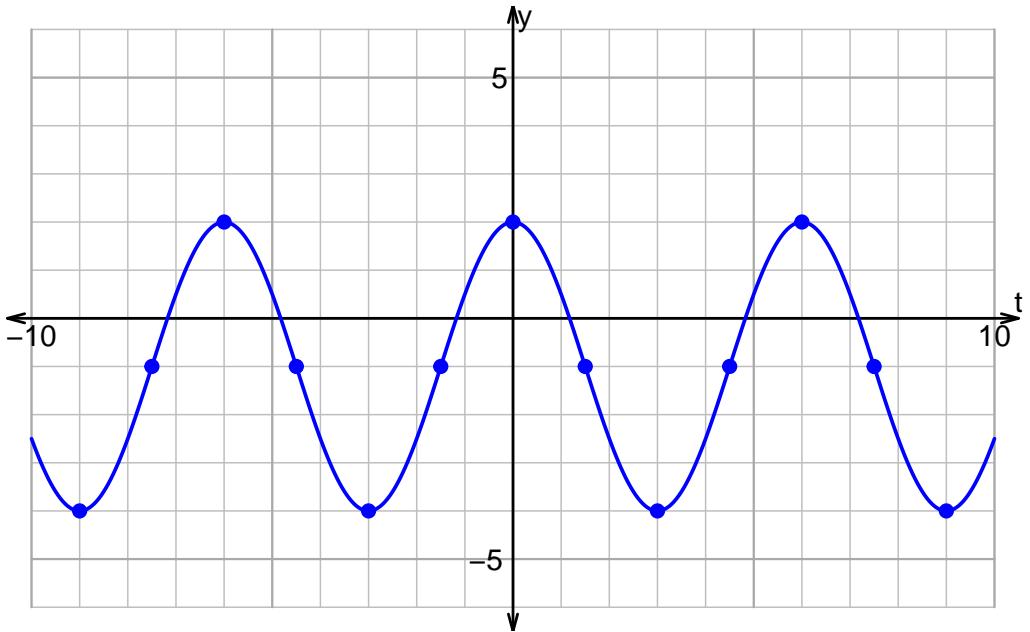
1. Plot $y = -3 \sin\left(\frac{\pi}{2}t\right) - 1$.



2. Plot $y = -4 \cos\left(\frac{\pi}{5}t\right) - 1$.

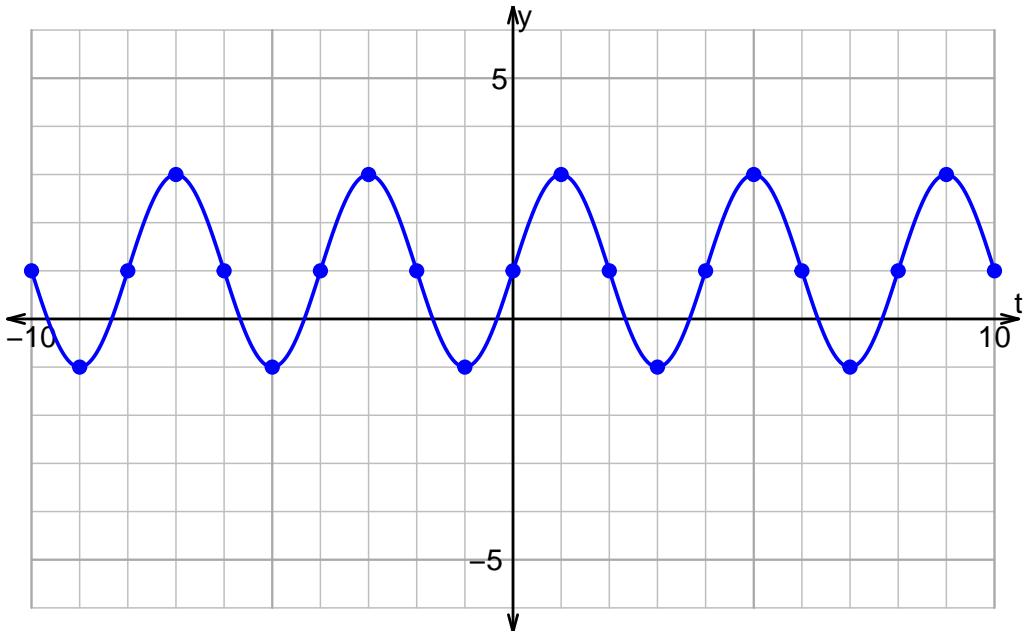


3. Give an equation for the plot below:



$$y = 3 \cos\left(\frac{\pi}{3}t\right) - 1$$

4. Give an equation for the plot below:



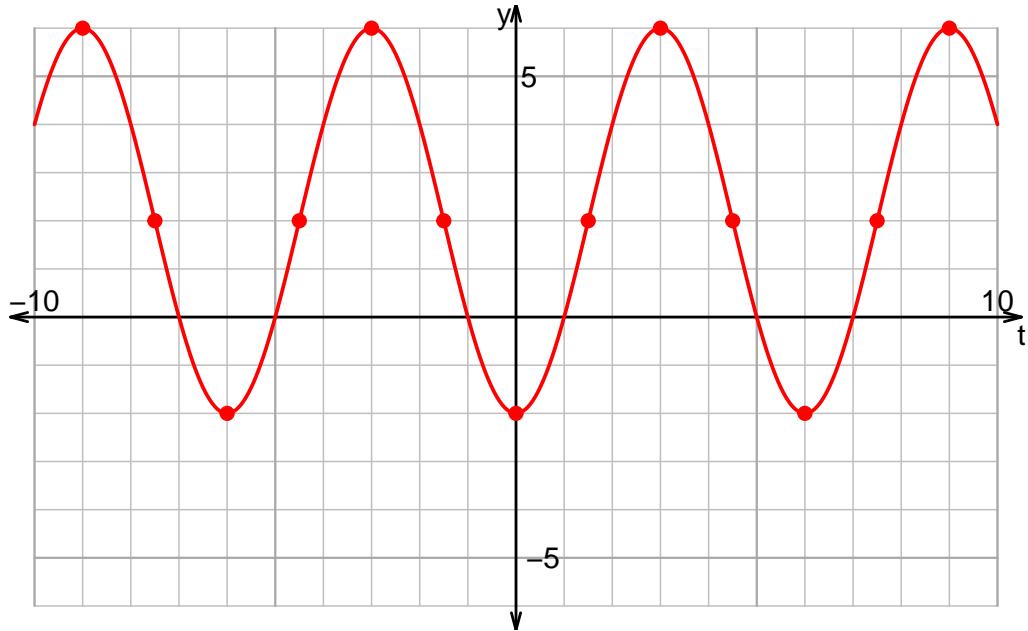
$$y = 2 \sin\left(\frac{\pi}{2}t\right) + 1$$

Name: _____

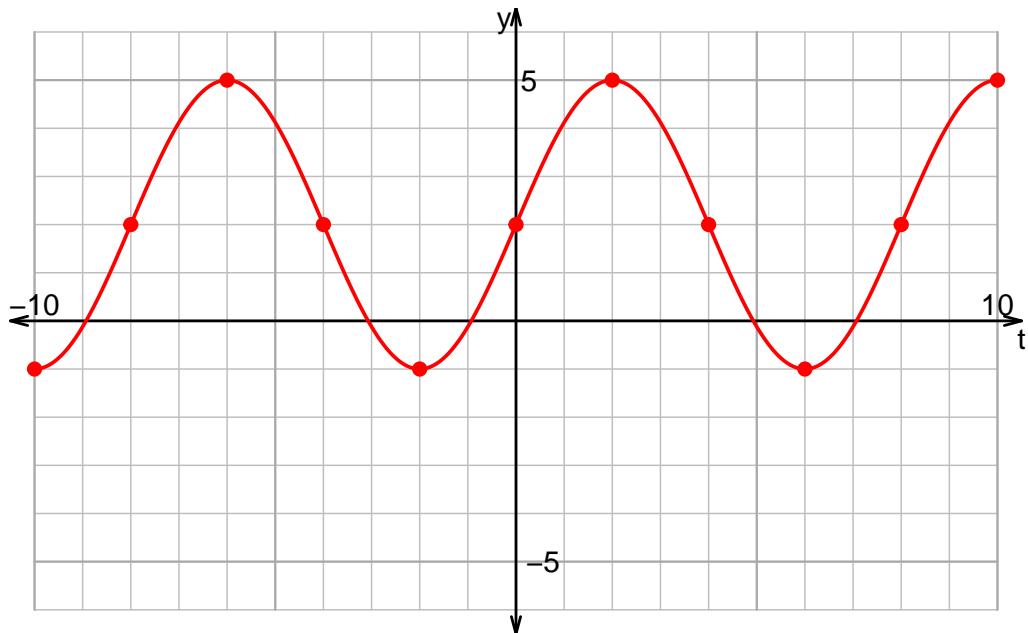
Date: _____

u15ws2: DRAW WAVES (SOLUTION v7)

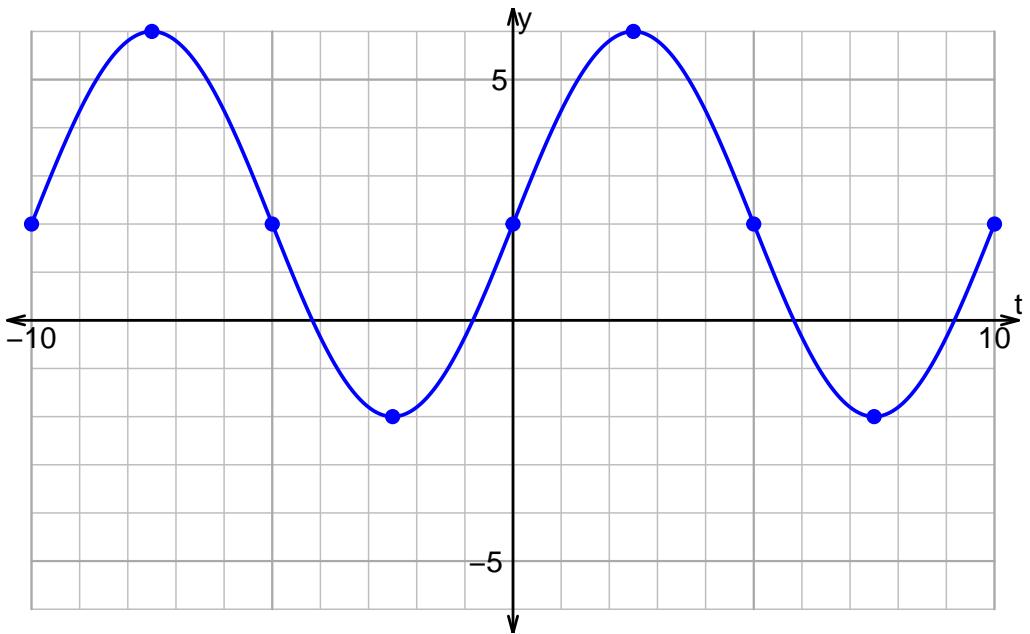
1. Plot $y = -4 \cos\left(\frac{\pi}{3}t\right) + 2$.



2. Plot $y = 3 \sin\left(\frac{\pi}{4}t\right) + 2$.

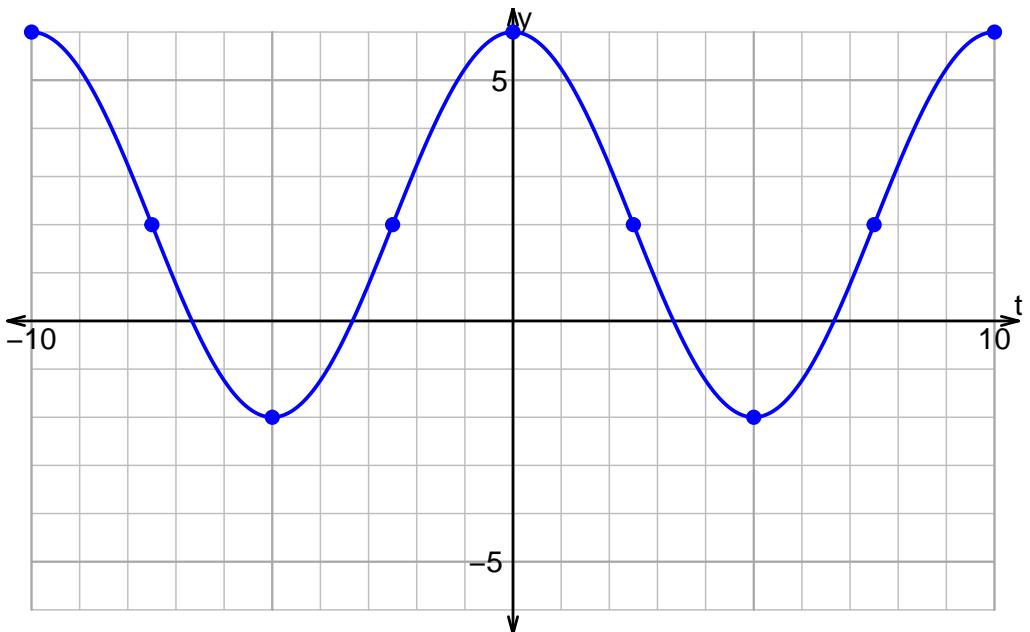


3. Give an equation for the plot below:



$$y = 4 \sin\left(\frac{\pi}{5}t\right) + 2$$

4. Give an equation for the plot below:



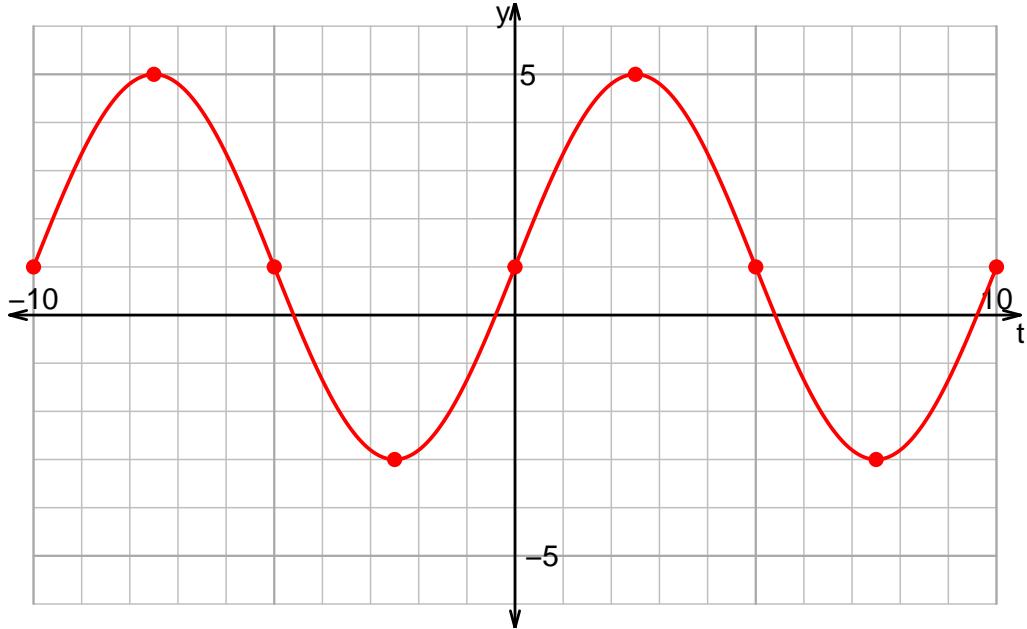
$$y = 4 \cos\left(\frac{\pi}{5}t\right) + 2$$

Name: _____

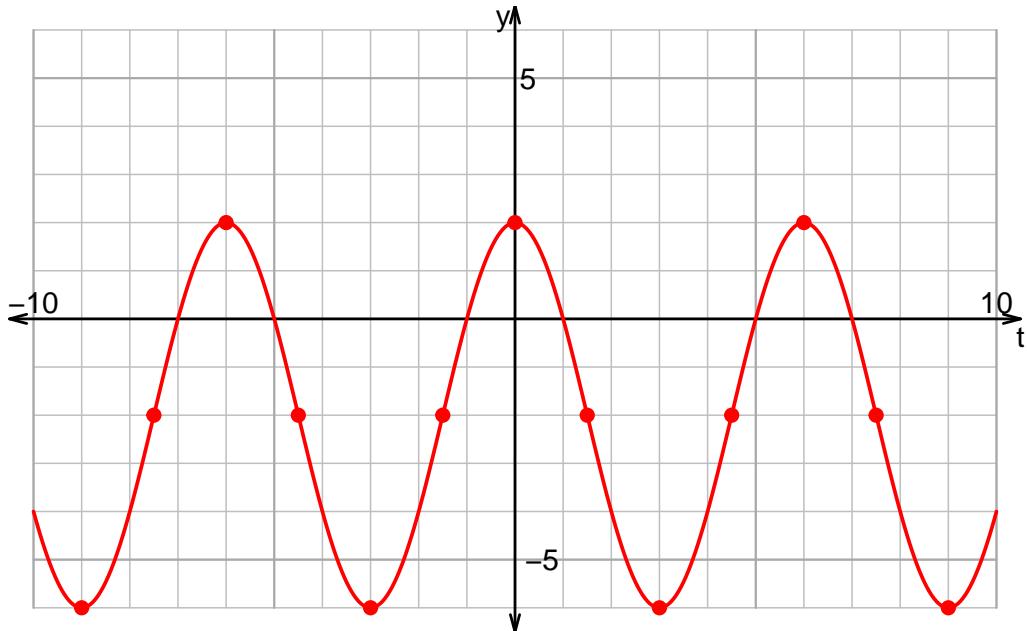
Date: _____

u15ws2: DRAW WAVES (SOLUTION v8)

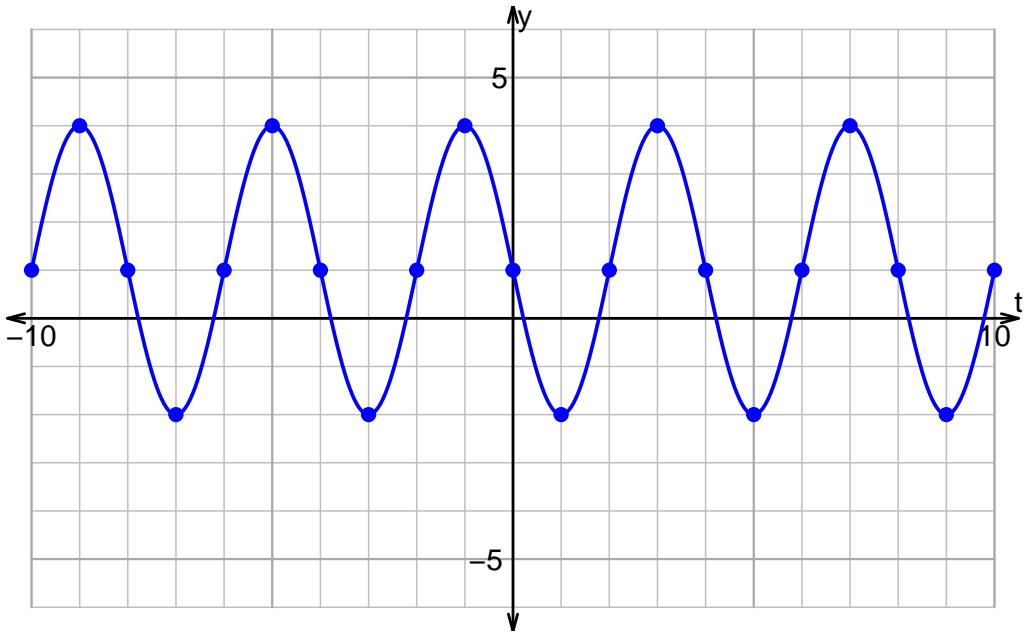
1. Plot $y = 4 \sin\left(\frac{\pi}{5}t\right) + 1$.



2. Plot $y = 4 \cos\left(\frac{\pi}{3}t\right) - 2$.

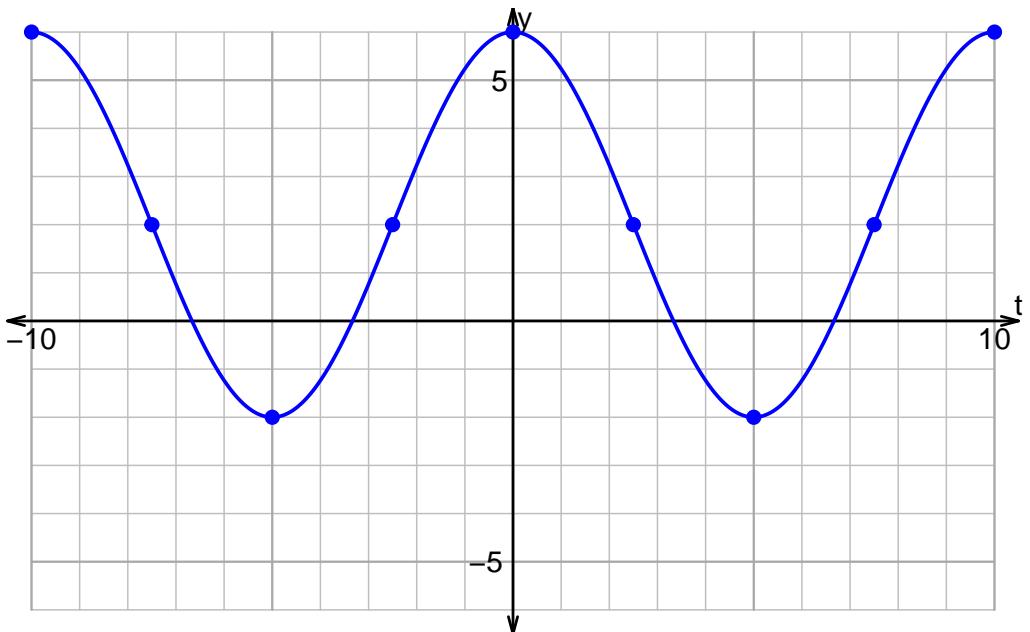


3. Give an equation for the plot below:



$$y = -3 \sin\left(\frac{\pi}{2}t\right) + 1$$

4. Give an equation for the plot below:



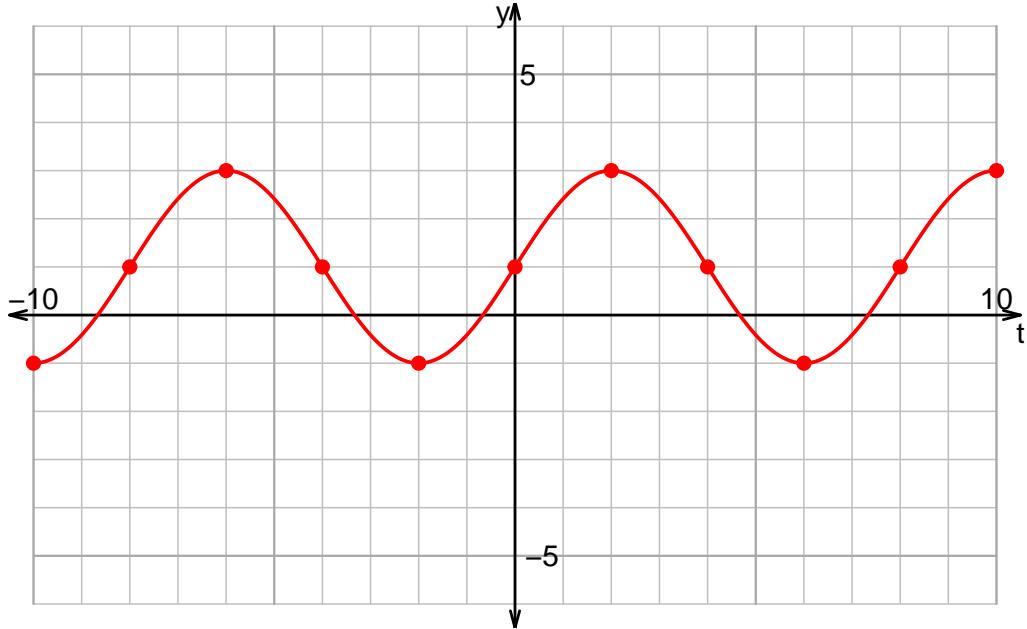
$$y = 4 \cos\left(\frac{\pi}{5}t\right) + 2$$

Name: _____

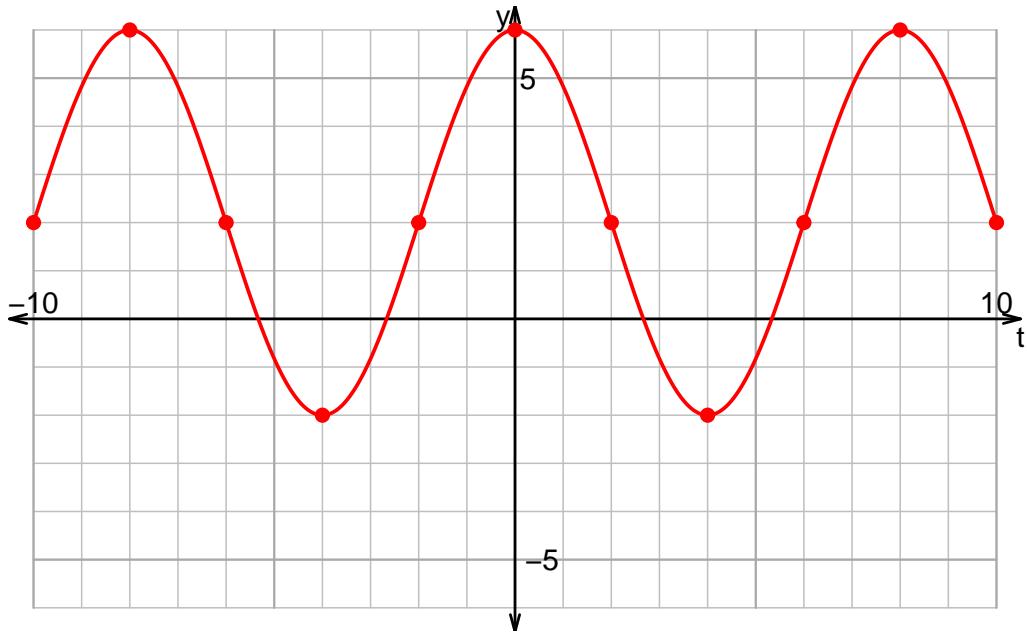
Date: _____

u15ws2: DRAW WAVES (SOLUTION v9)

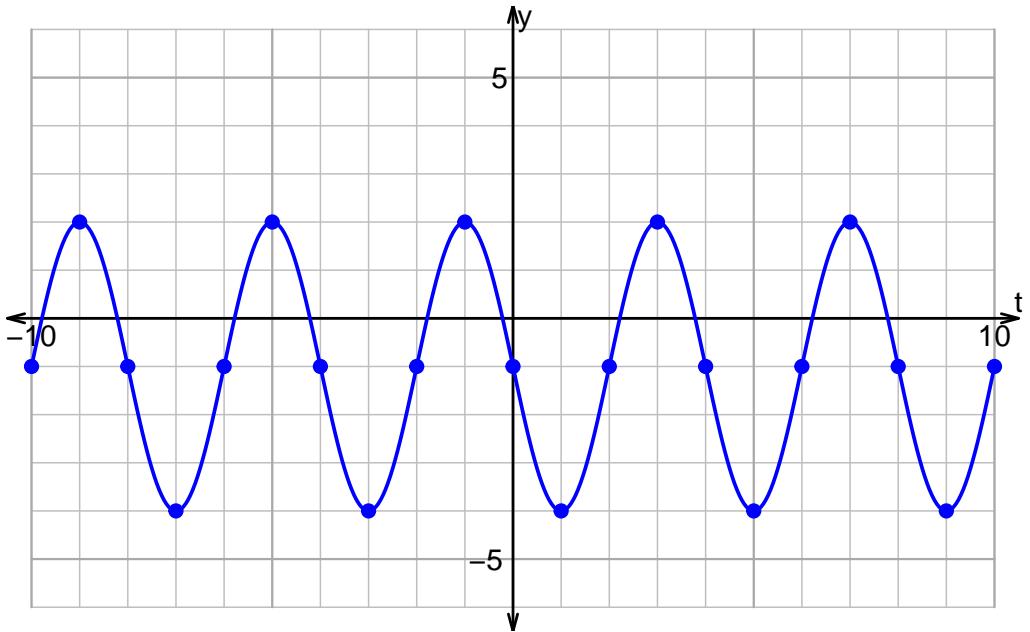
1. Plot $y = 2 \sin\left(\frac{\pi}{4}t\right) + 1$.



2. Plot $y = 4 \cos\left(\frac{\pi}{4}t\right) + 2$.

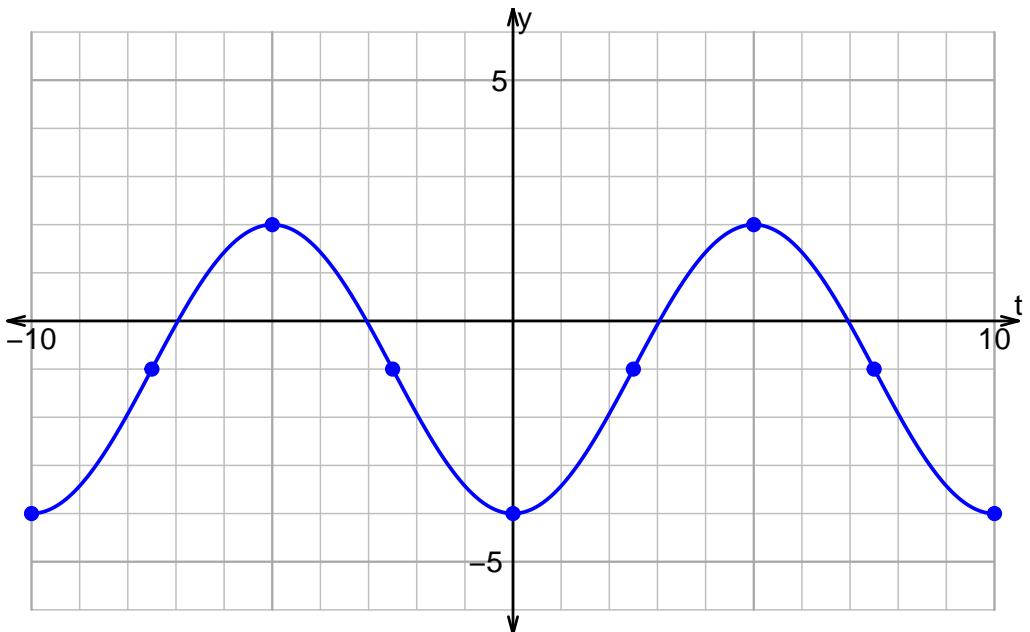


3. Give an equation for the plot below:



$$y = -3 \sin\left(\frac{\pi}{2}t\right) - 1$$

4. Give an equation for the plot below:



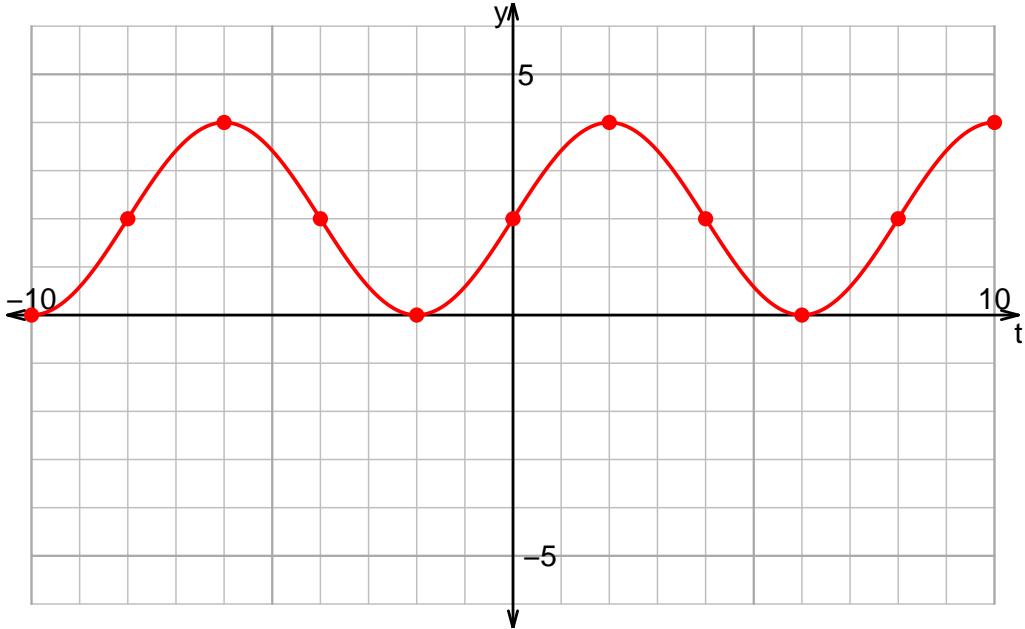
$$y = -3 \cos\left(\frac{\pi}{5}t\right) - 1$$

Name: _____

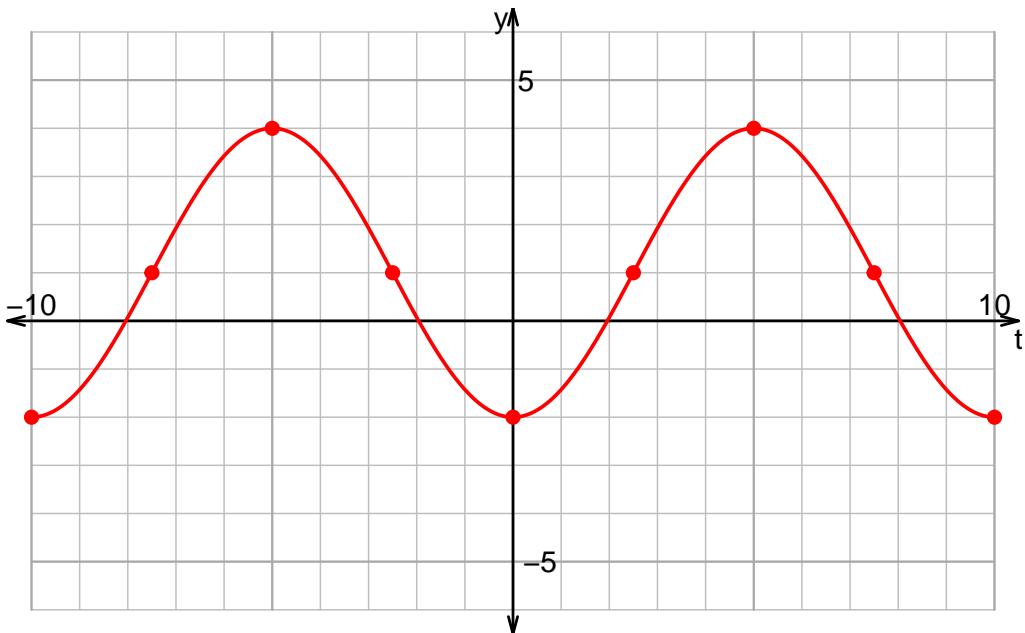
Date: _____

u15ws2: DRAW WAVES (SOLUTION v10)

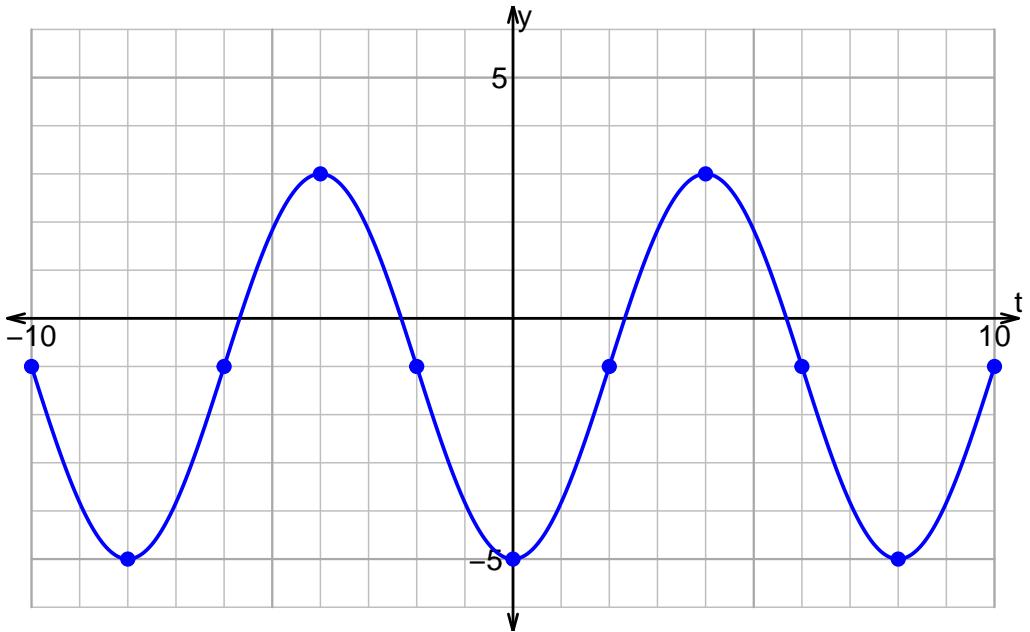
1. Plot $y = 2 \sin\left(\frac{\pi}{4}t\right) + 2$.



2. Plot $y = -3 \cos\left(\frac{\pi}{5}t\right) + 1$.

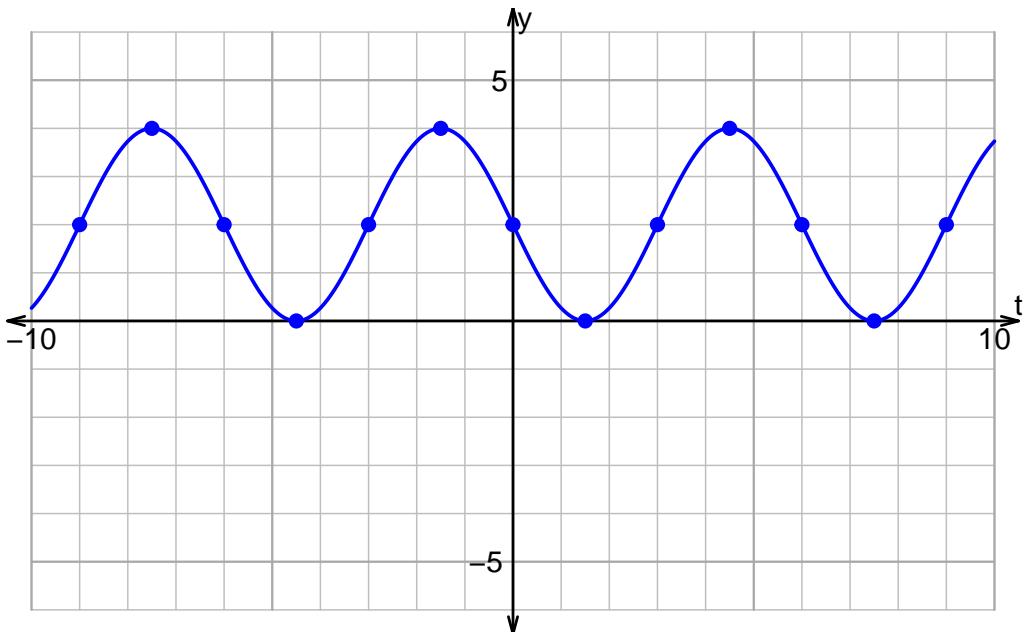


3. Give an equation for the plot below:



$$y = -4 \cos\left(\frac{\pi}{4}t\right) - 1$$

4. Give an equation for the plot below:



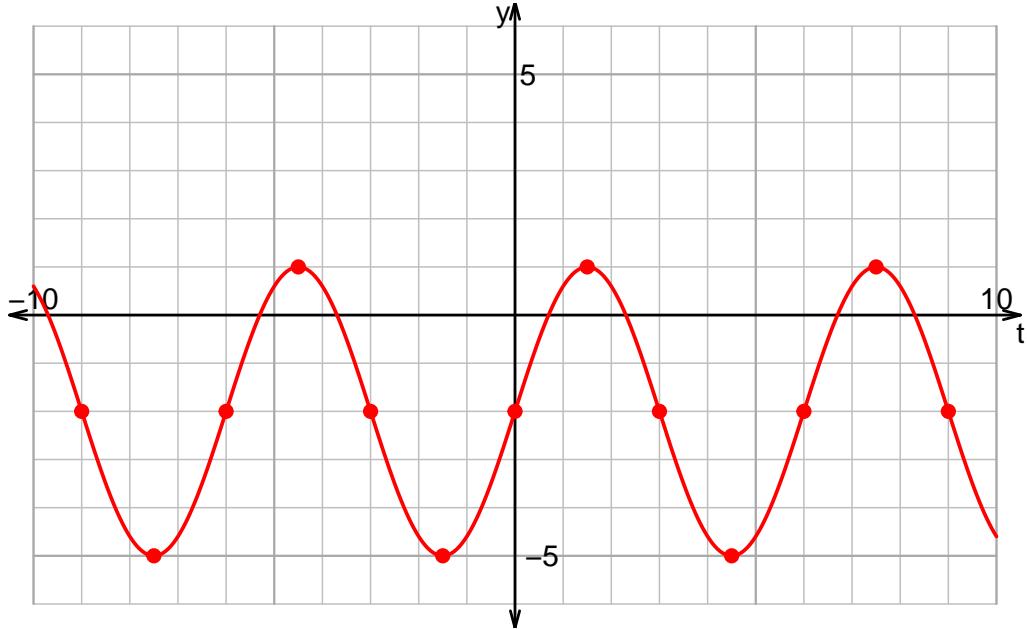
$$y = -2 \sin\left(\frac{\pi}{3}t\right) + 2$$

Name: _____

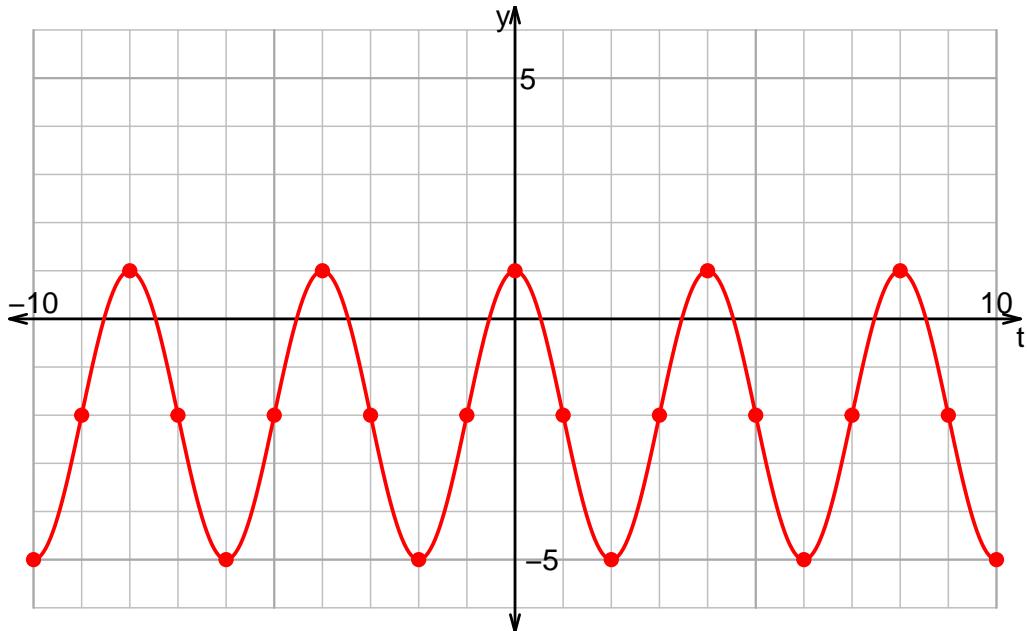
Date: _____

u15ws2: DRAW WAVES (SOLUTION v11)

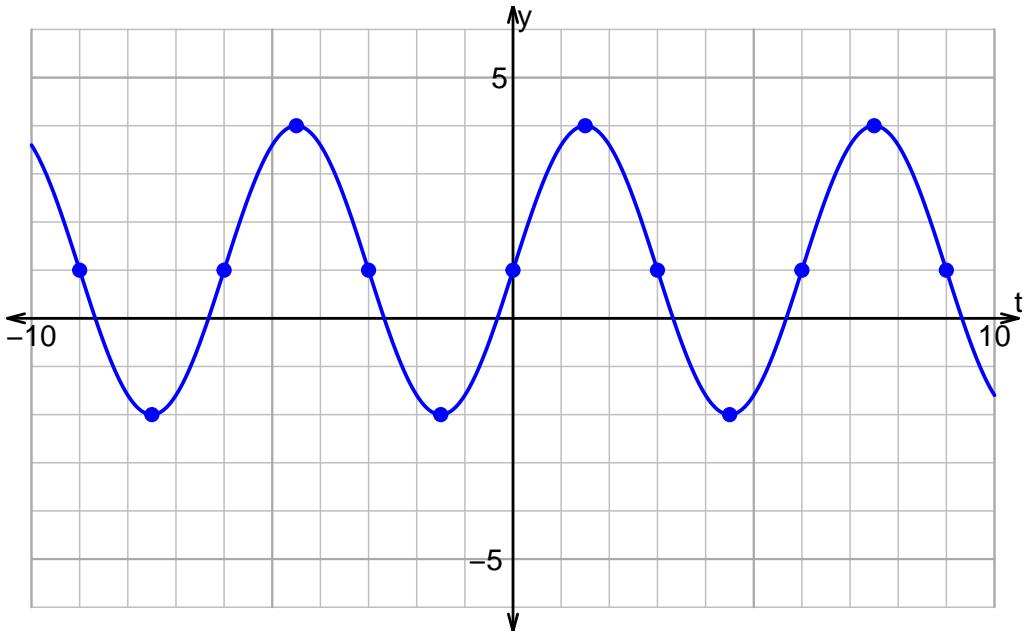
1. Plot $y = 3 \sin\left(\frac{\pi}{3}t\right) - 2$.



2. Plot $y = 3 \cos\left(\frac{\pi}{2}t\right) - 2$.

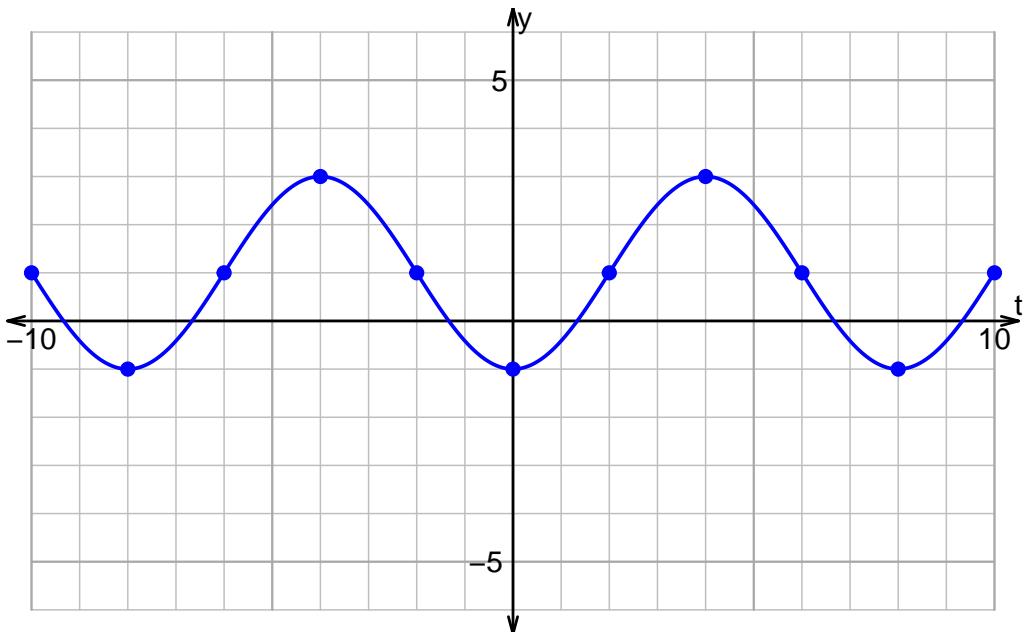


3. Give an equation for the plot below:



$$y = 3 \sin\left(\frac{\pi}{3}t\right) + 1$$

4. Give an equation for the plot below:



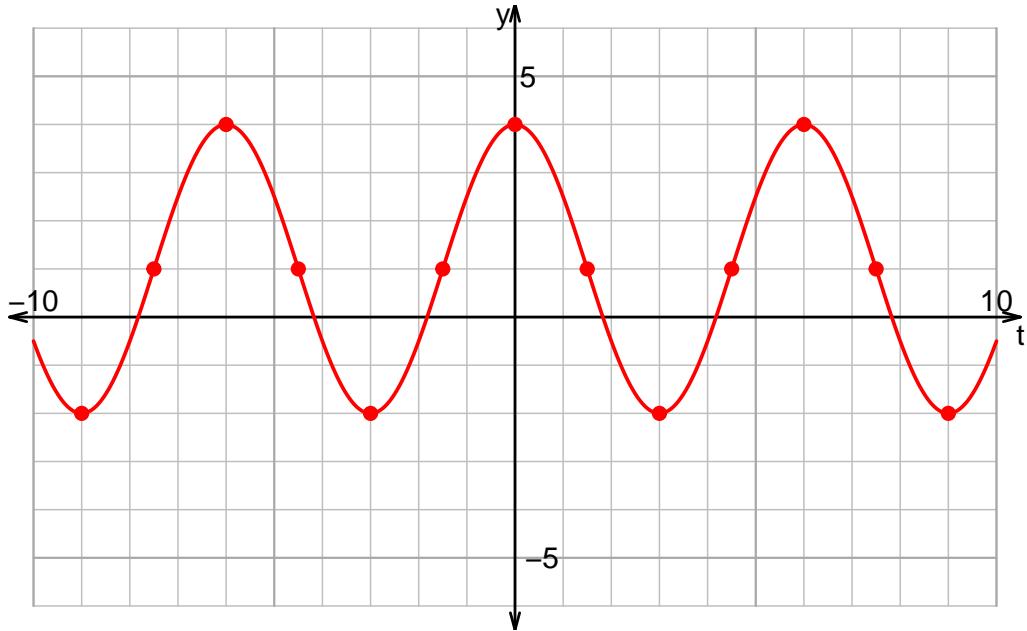
$$y = -2 \cos\left(\frac{\pi}{4}t\right) + 1$$

Name: _____

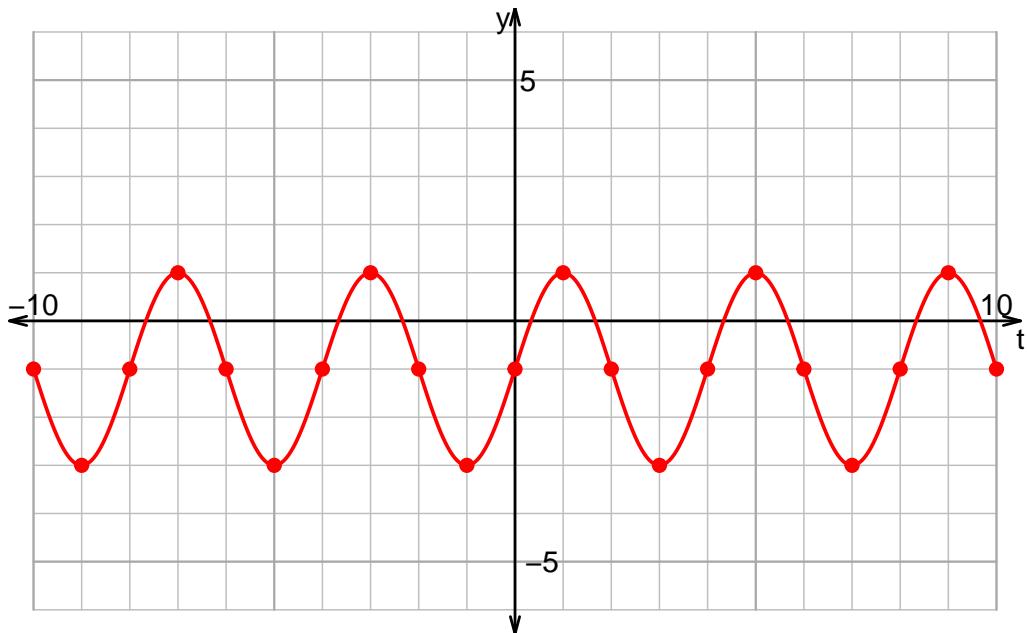
Date: _____

u15ws2: DRAW WAVES (SOLUTION v12)

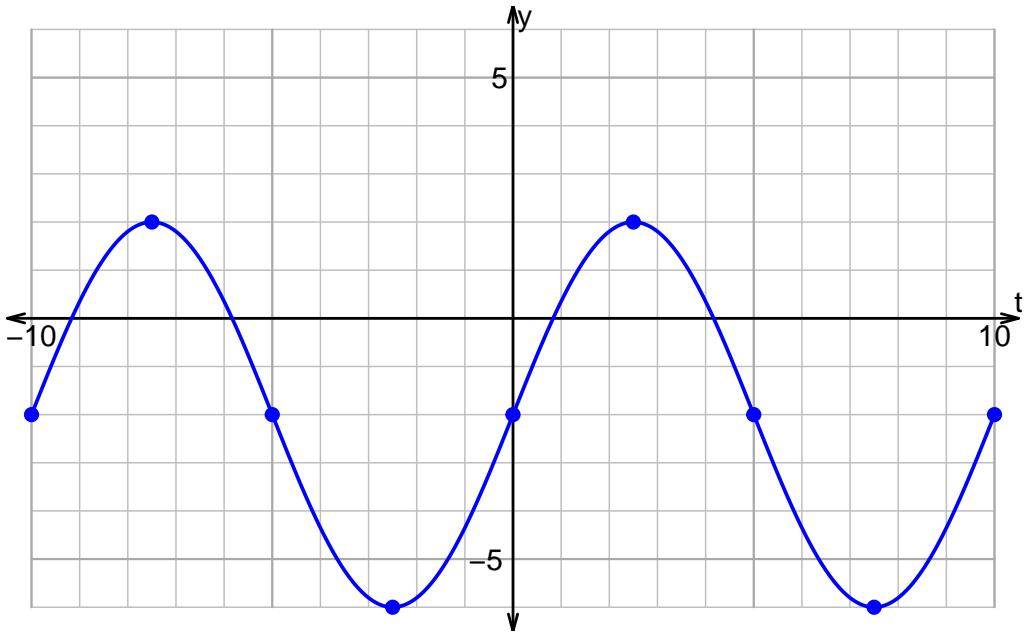
1. Plot $y = 3 \cos\left(\frac{\pi}{3}t\right) + 1$.



2. Plot $y = 2 \sin\left(\frac{\pi}{2}t\right) - 1$.

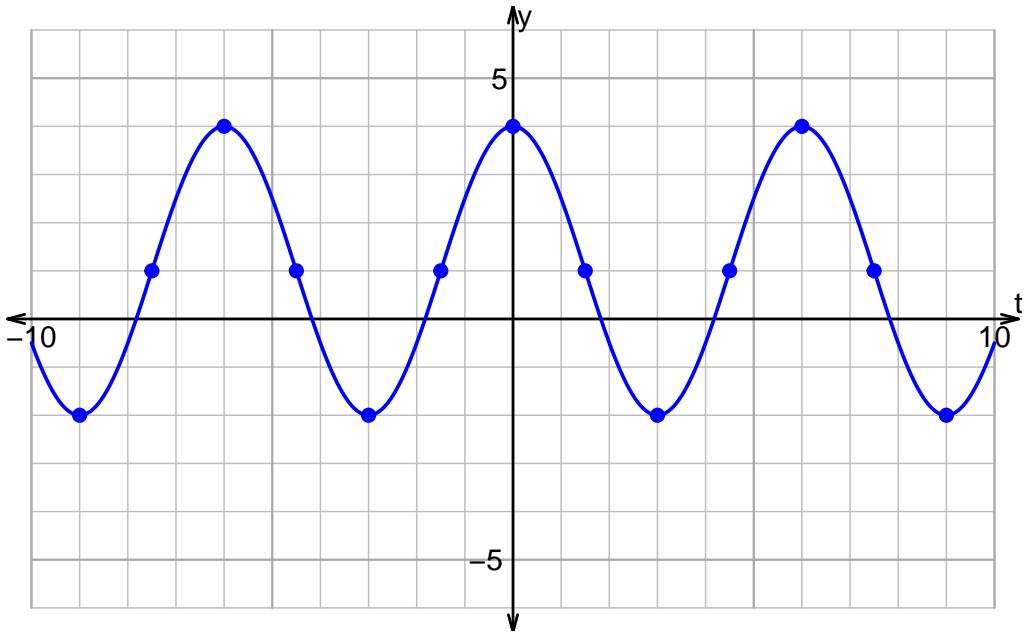


3. Give an equation for the plot below:



$$y = 4 \sin\left(\frac{\pi}{5}t\right) - 2$$

4. Give an equation for the plot below:



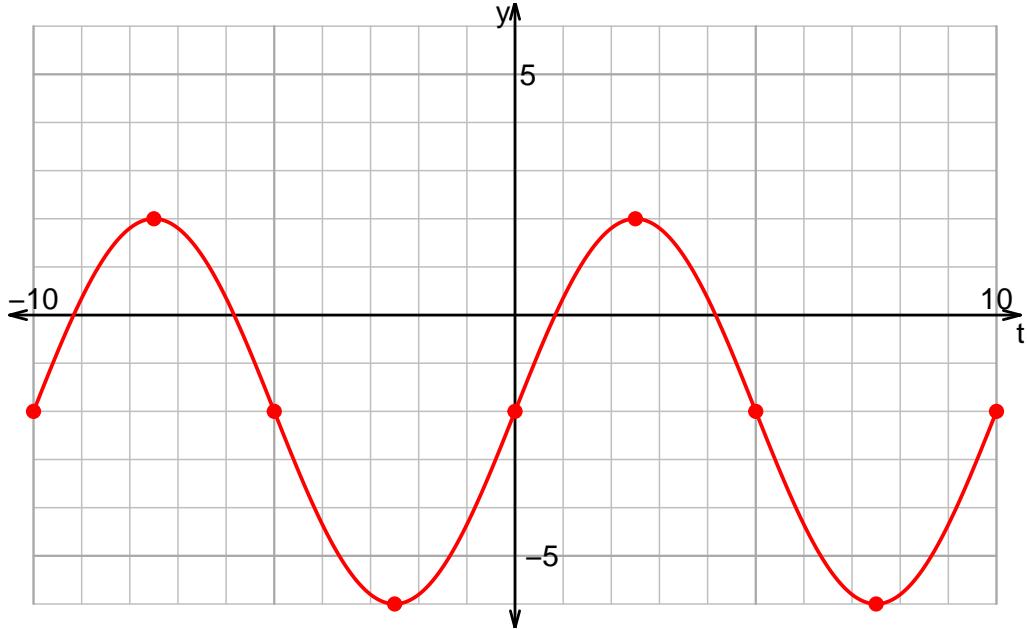
$$y = 3 \cos\left(\frac{\pi}{3}t\right) + 1$$

Name: _____

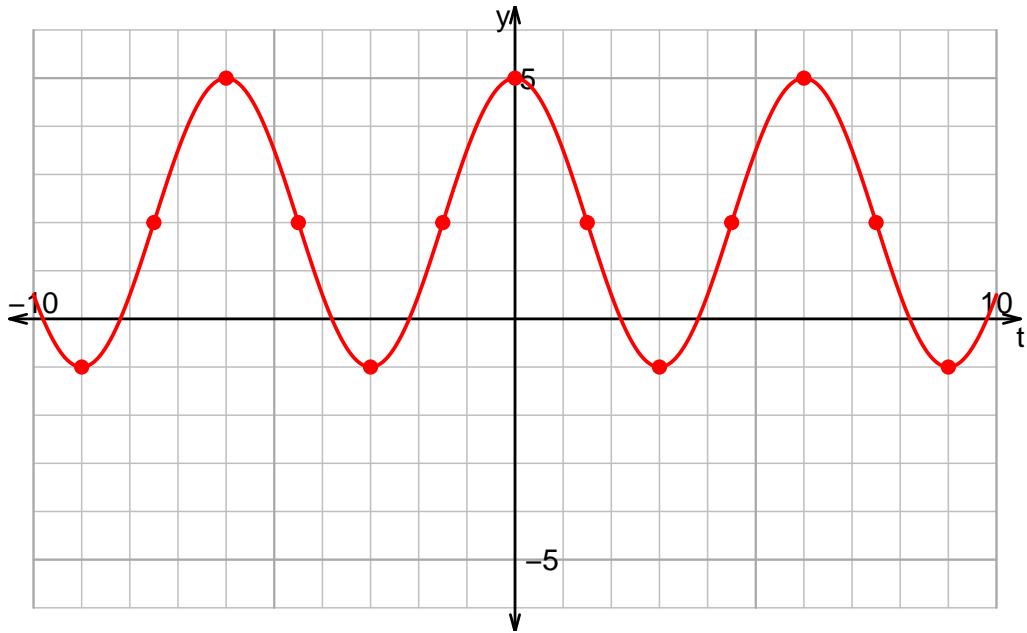
Date: _____

u15ws2: DRAW WAVES (SOLUTION v13)

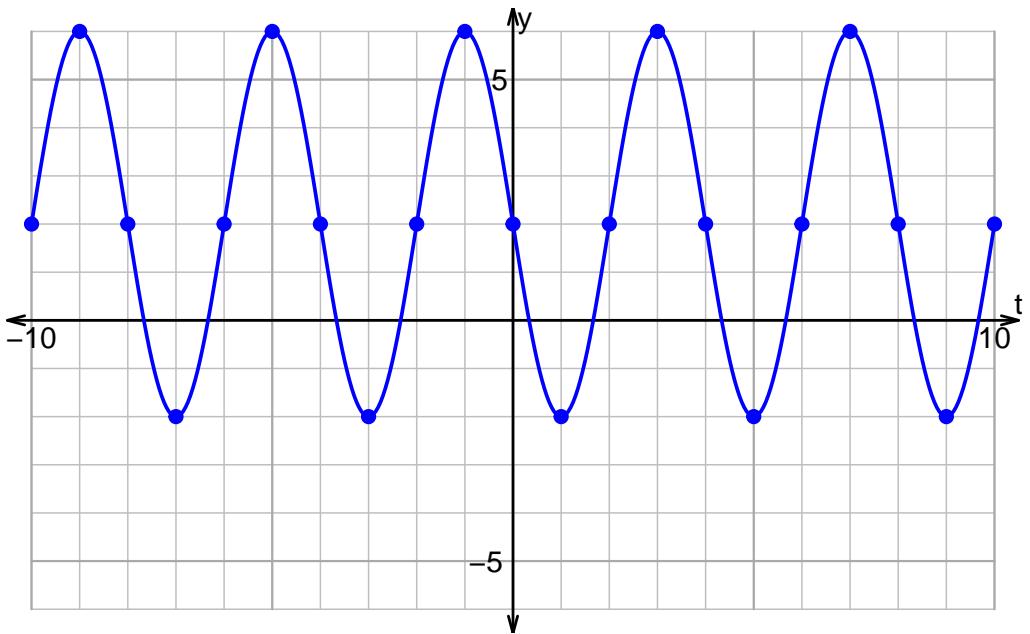
1. Plot $y = 4 \sin\left(\frac{\pi}{5}t\right) - 2$.



2. Plot $y = 3 \cos\left(\frac{\pi}{3}t\right) + 2$.

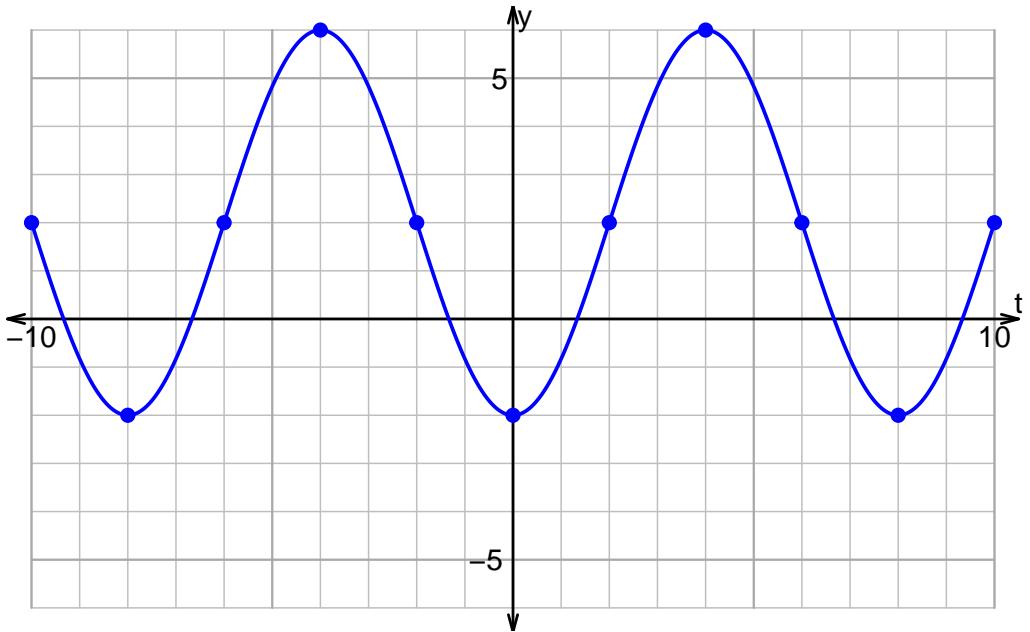


3. Give an equation for the plot below:



$$y = -4 \sin\left(\frac{\pi}{2}t\right) + 2$$

4. Give an equation for the plot below:



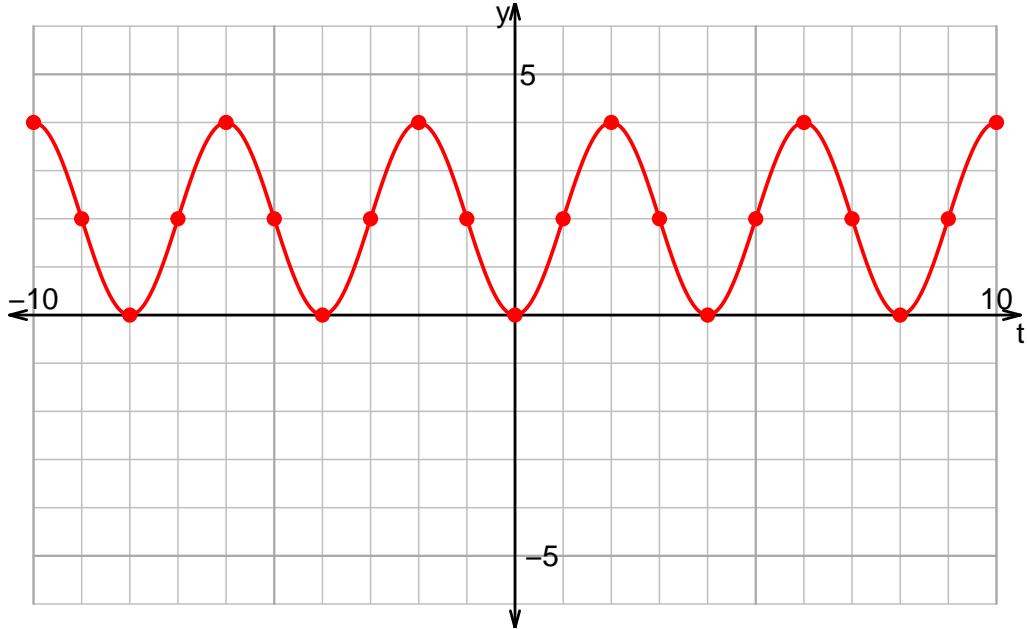
$$y = -4 \cos\left(\frac{\pi}{4}t\right) + 2$$

Name: _____

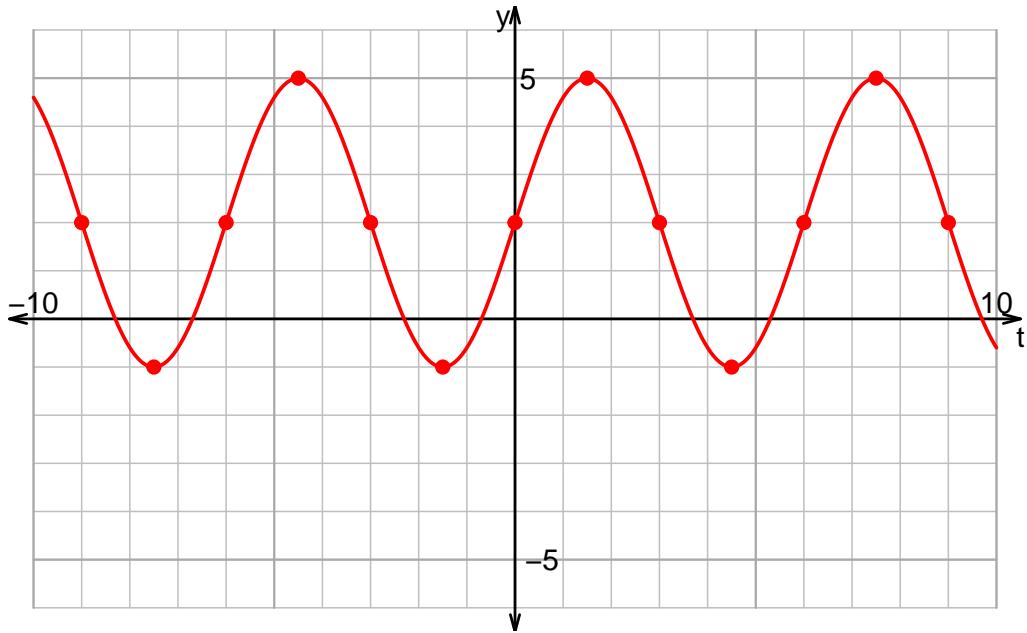
Date: _____

u15ws2: DRAW WAVES (SOLUTION v14)

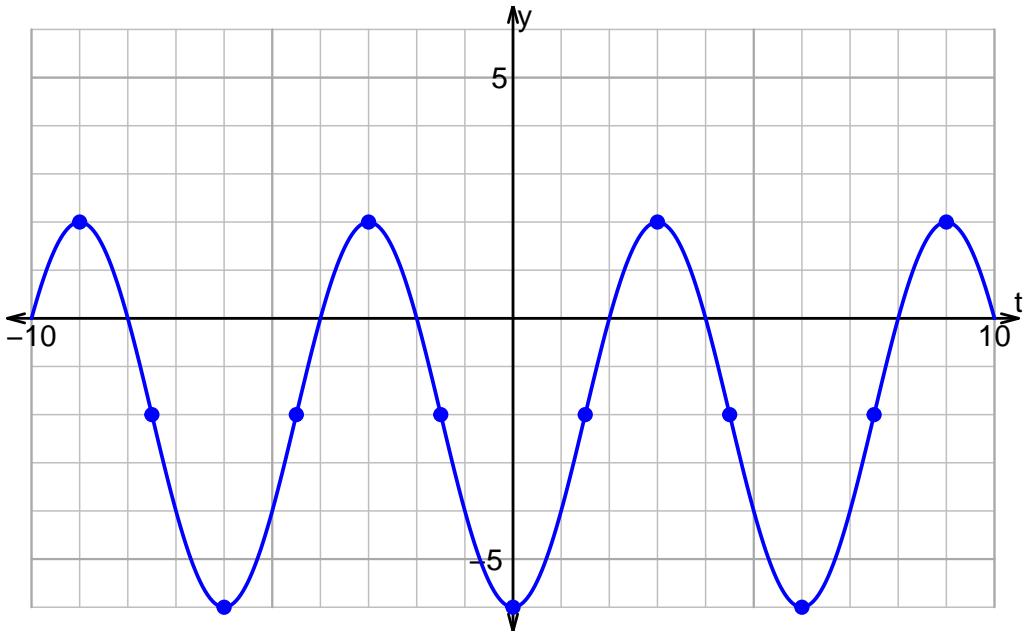
1. Plot $y = -2 \cos\left(\frac{\pi}{2}t\right) + 2$.



2. Plot $y = 3 \sin\left(\frac{\pi}{3}t\right) + 2$.

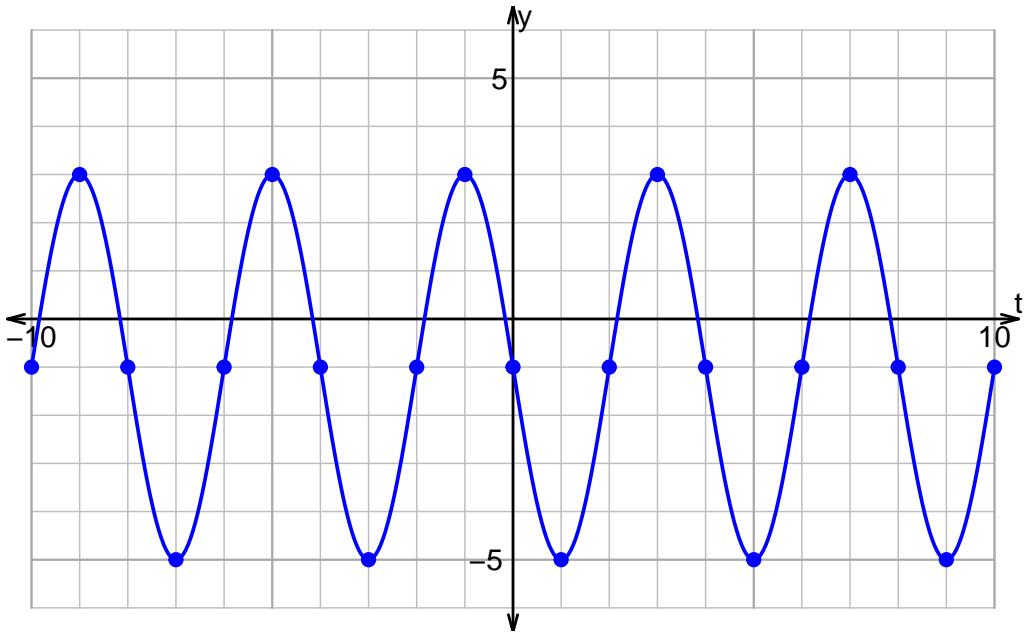


3. Give an equation for the plot below:



$$y = -4 \cos\left(\frac{\pi}{3}t\right) - 2$$

4. Give an equation for the plot below:



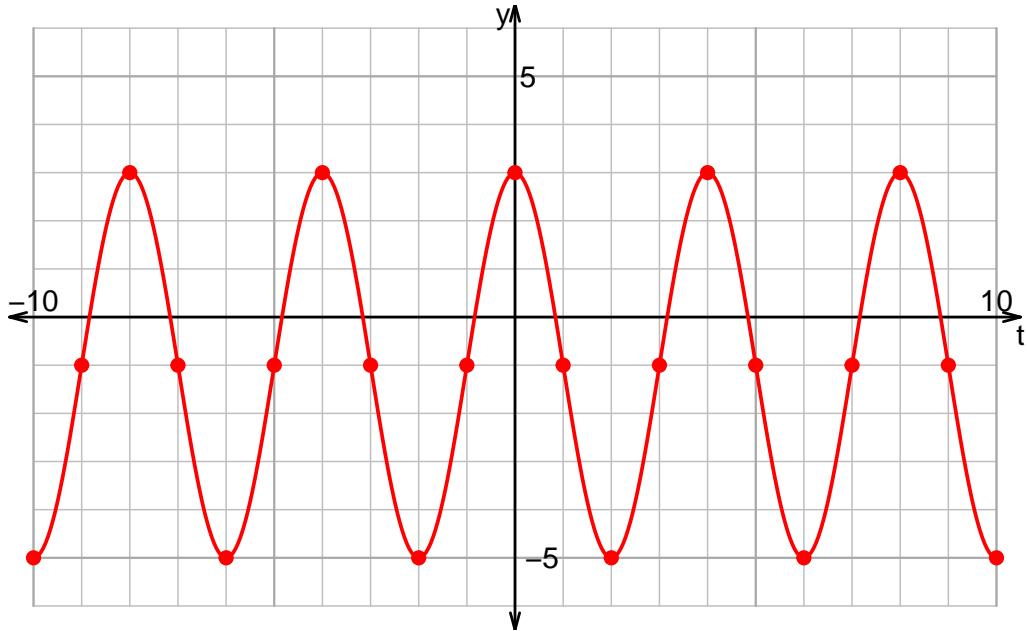
$$y = -4 \sin\left(\frac{\pi}{2}t\right) - 1$$

Name: _____

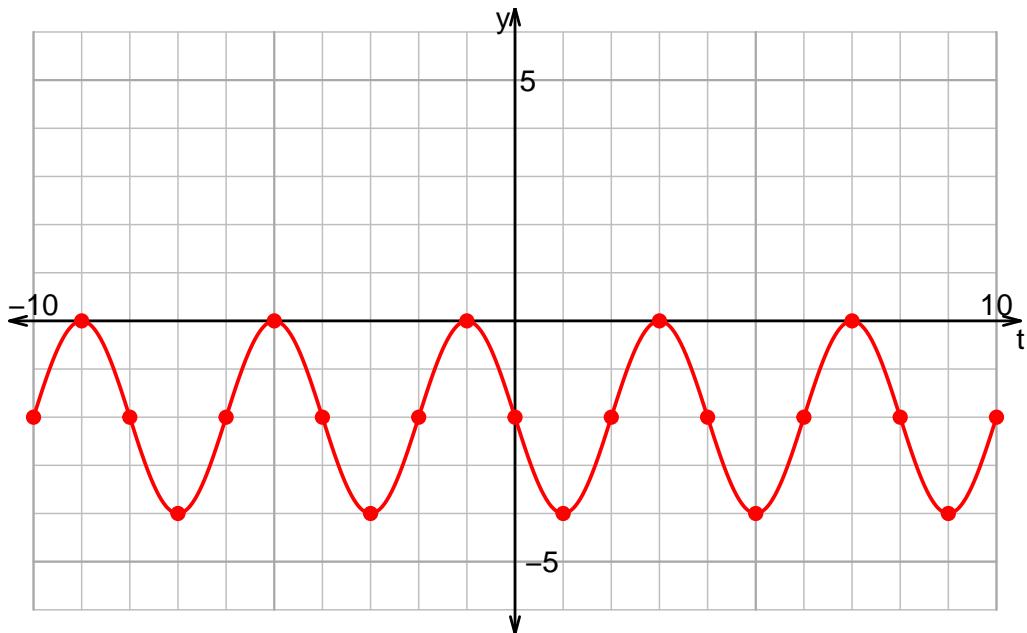
Date: _____

u15ws2: DRAW WAVES (SOLUTION v15)

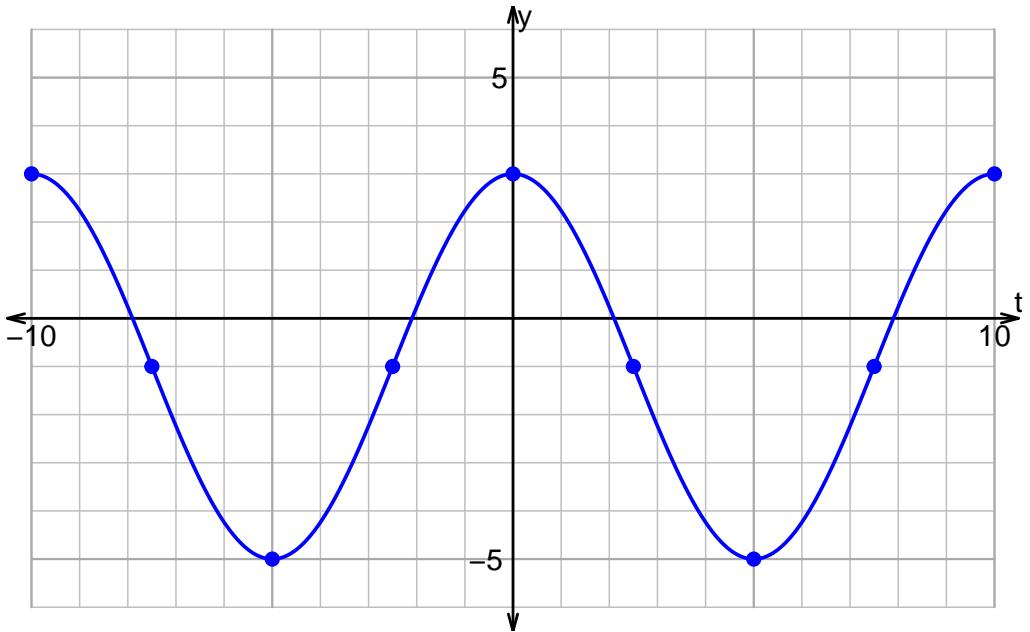
1. Plot $y = 4 \cos\left(\frac{\pi}{2}t\right) - 1$.



2. Plot $y = -2 \sin\left(\frac{\pi}{2}t\right) - 2$.

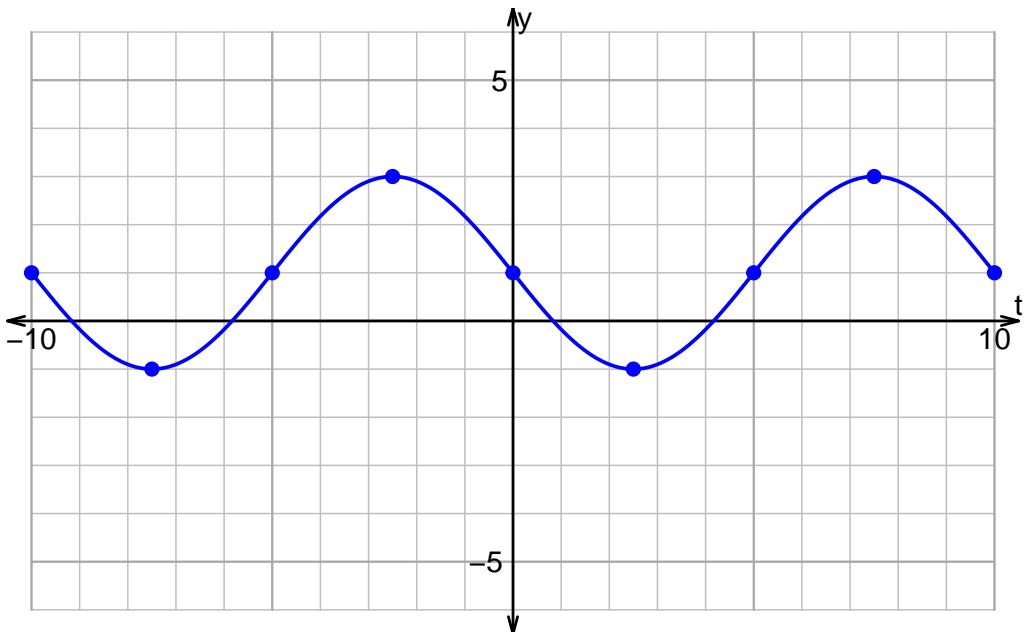


3. Give an equation for the plot below:



$$y = 4 \cos\left(\frac{\pi}{5}t\right) - 1$$

4. Give an equation for the plot below:



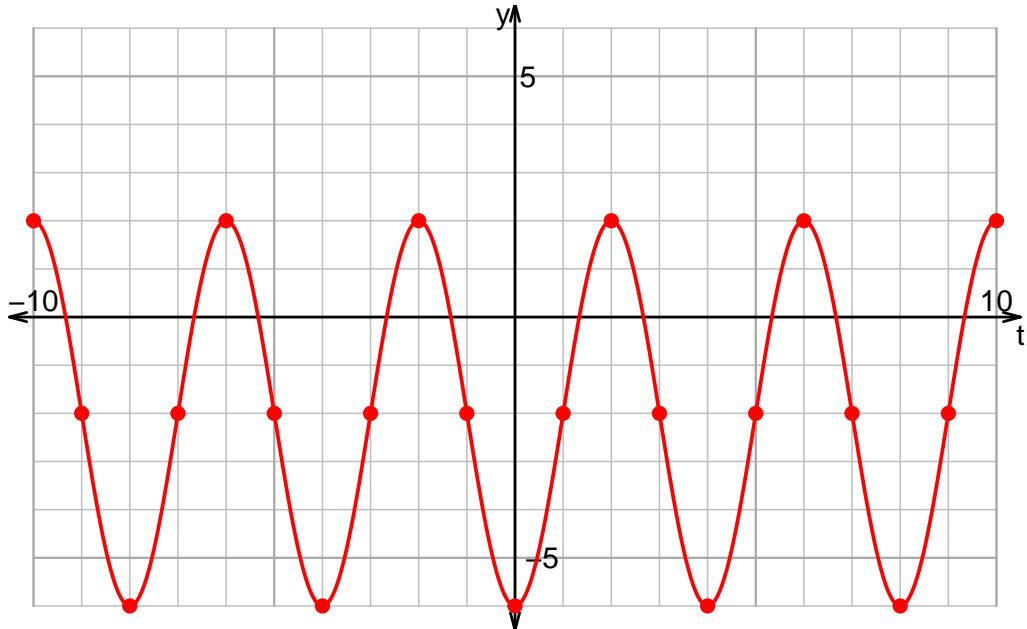
$$y = -2 \sin\left(\frac{\pi}{5}t\right) + 1$$

Name: _____

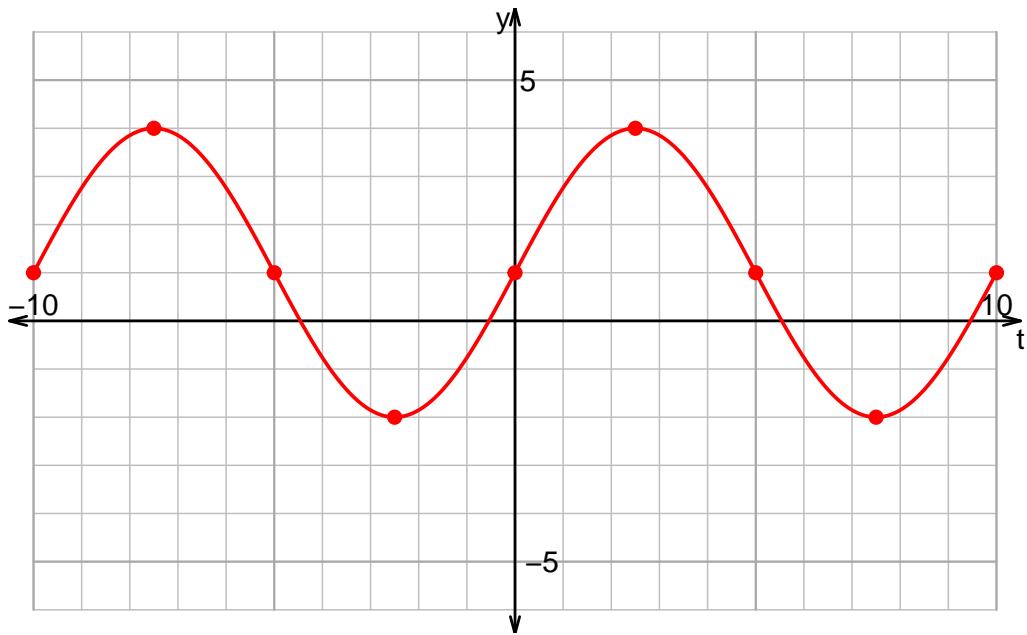
Date: _____

u15ws2: DRAW WAVES (SOLUTION v16)

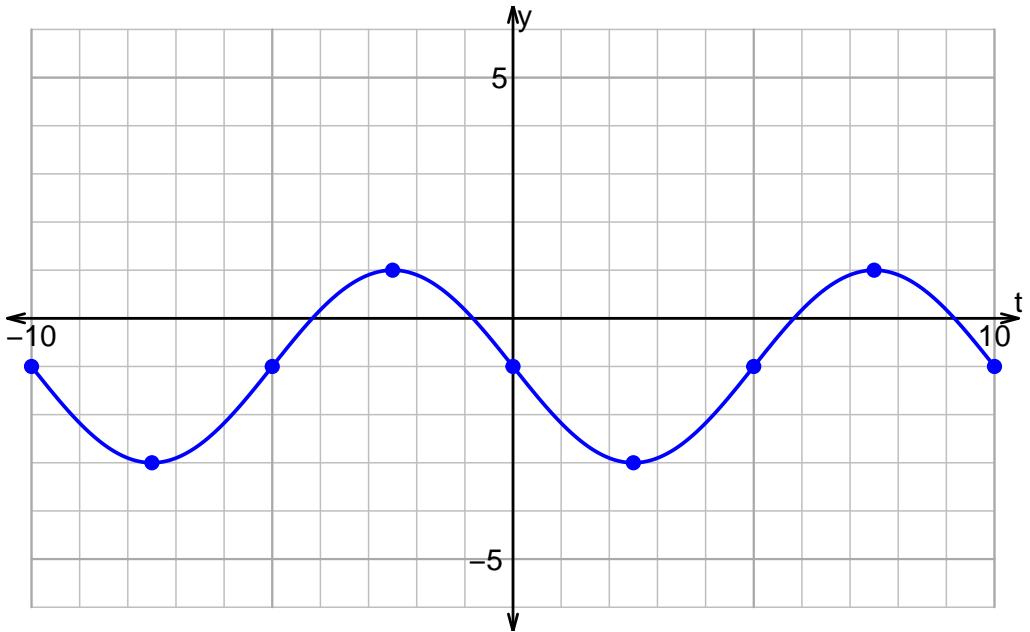
1. Plot $y = -4 \cos\left(\frac{\pi}{2}t\right) - 2$.



2. Plot $y = 3 \sin\left(\frac{\pi}{5}t\right) + 1$.

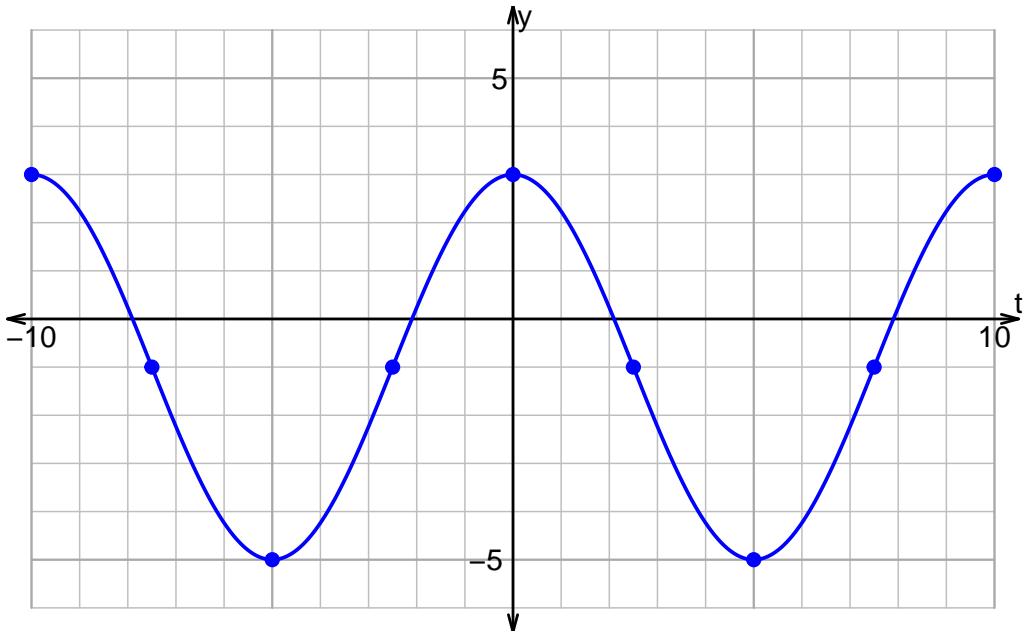


3. Give an equation for the plot below:



$$y = -2 \sin\left(\frac{\pi}{5}t\right) - 1$$

4. Give an equation for the plot below:



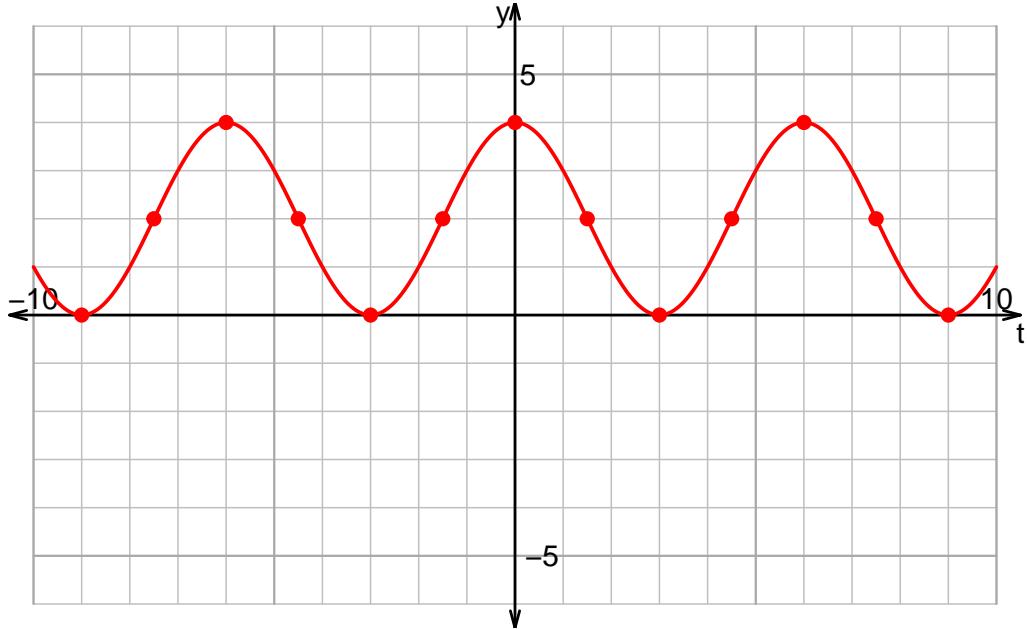
$$y = 4 \cos\left(\frac{\pi}{5}t\right) - 1$$

Name: _____

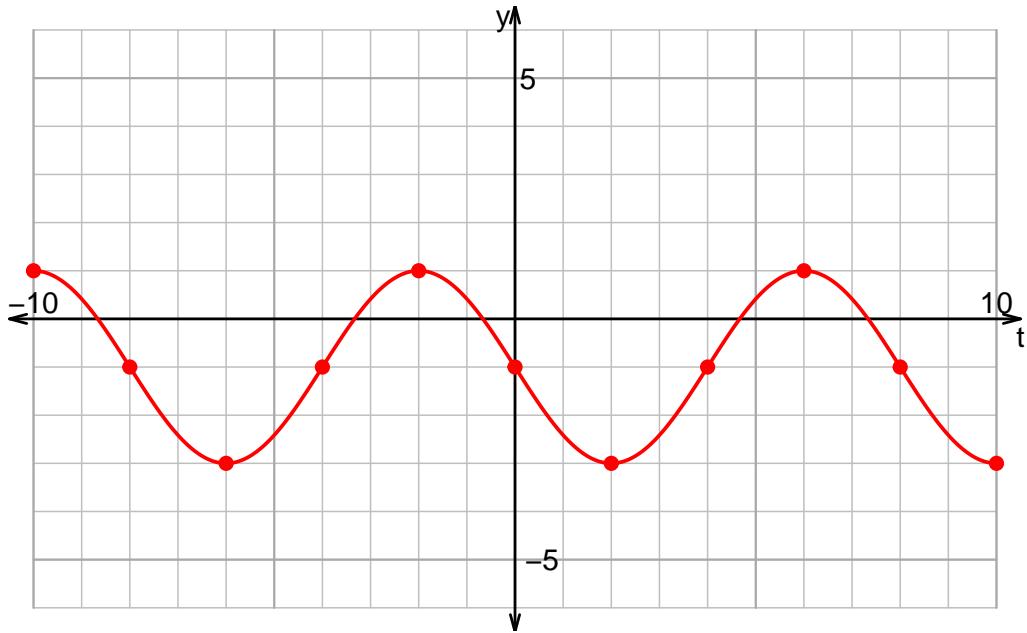
Date: _____

u15ws2: DRAW WAVES (SOLUTION v17)

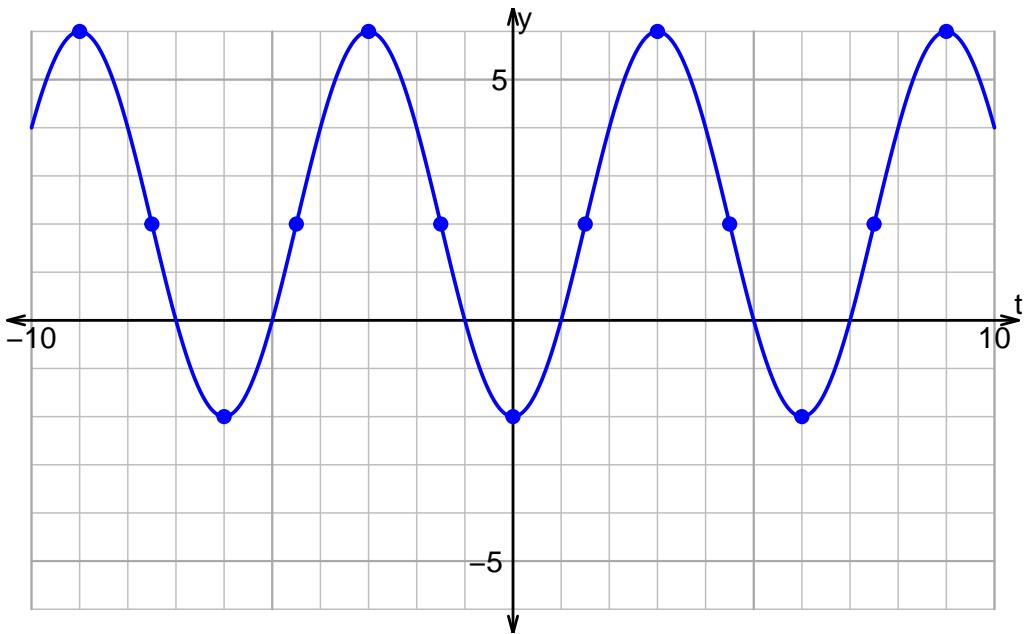
1. Plot $y = 2 \cos\left(\frac{\pi}{3}t\right) + 2$.



2. Plot $y = -2 \sin\left(\frac{\pi}{4}t\right) - 1$.

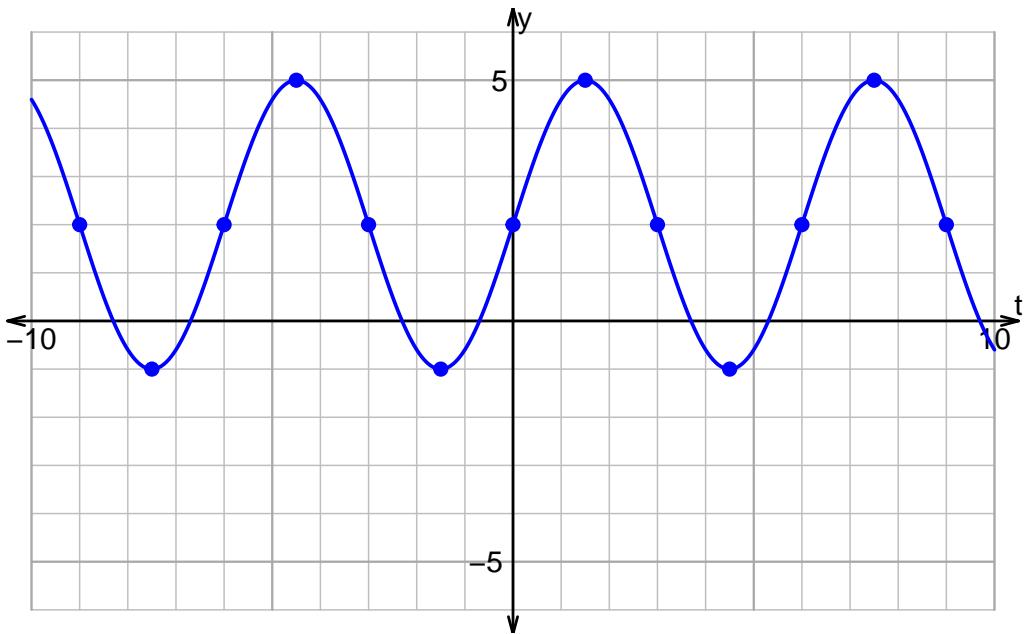


3. Give an equation for the plot below:



$$y = -4 \cos\left(\frac{\pi}{3}t\right) + 2$$

4. Give an equation for the plot below:



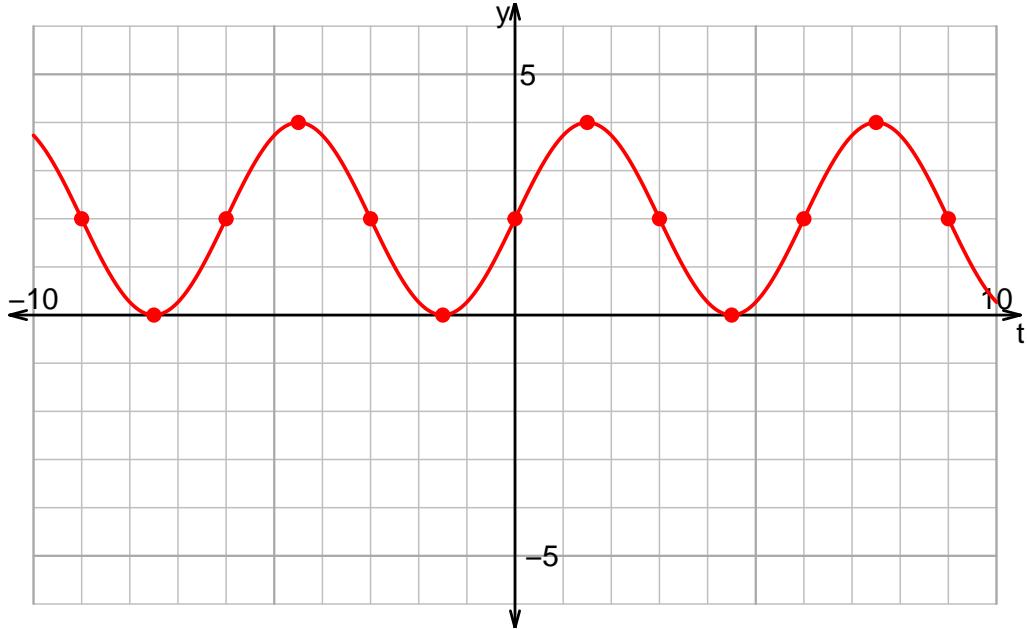
$$y = 3 \sin\left(\frac{\pi}{3}t\right) + 2$$

Name: _____

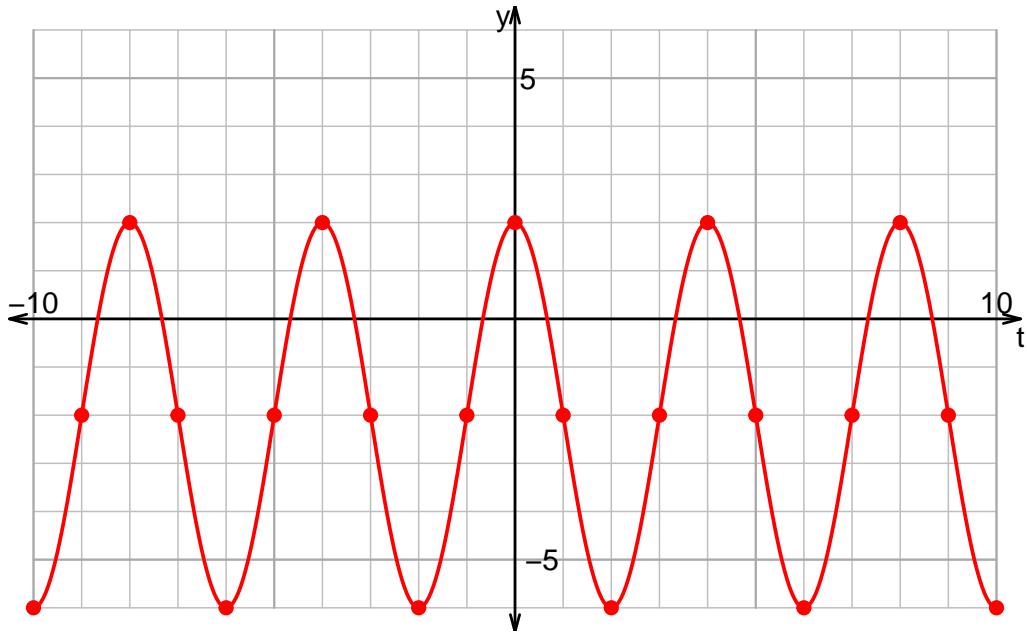
Date: _____

u15ws2: DRAW WAVES (SOLUTION v18)

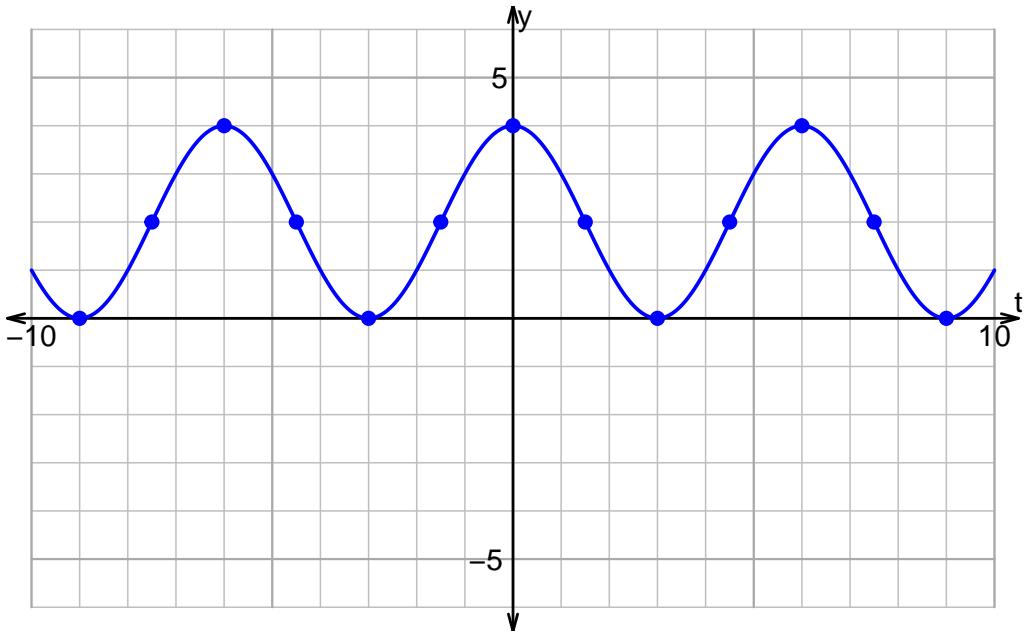
1. Plot $y = 2 \sin\left(\frac{\pi}{3}t\right) + 2$.



2. Plot $y = 4 \cos\left(\frac{\pi}{2}t\right) - 2$.

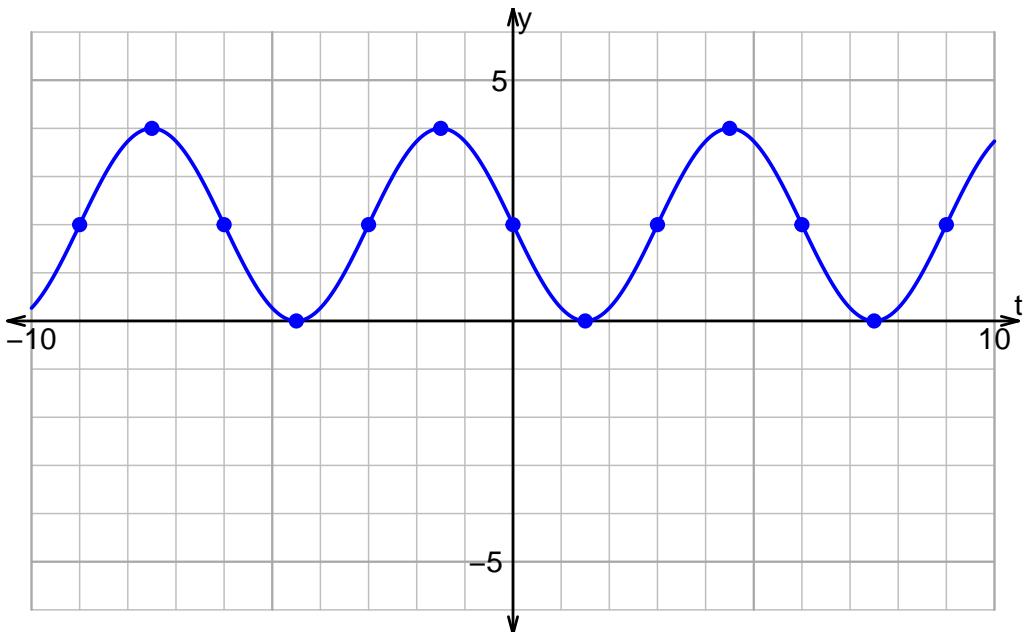


3. Give an equation for the plot below:



$$y = 2 \cos\left(\frac{\pi}{3}t\right) + 2$$

4. Give an equation for the plot below:



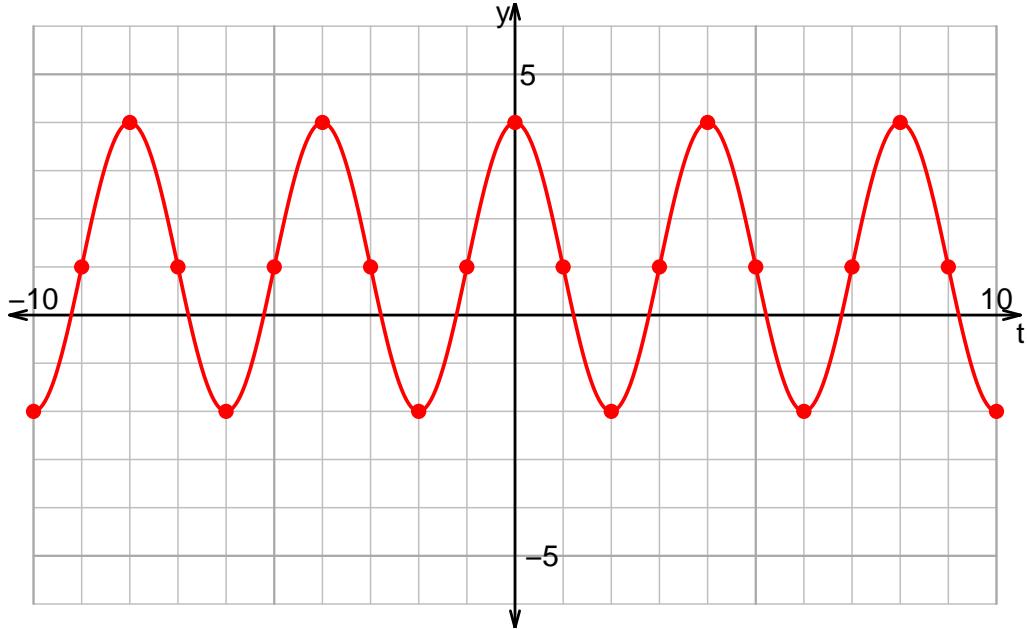
$$y = -2 \sin\left(\frac{\pi}{3}t\right) + 2$$

Name: _____

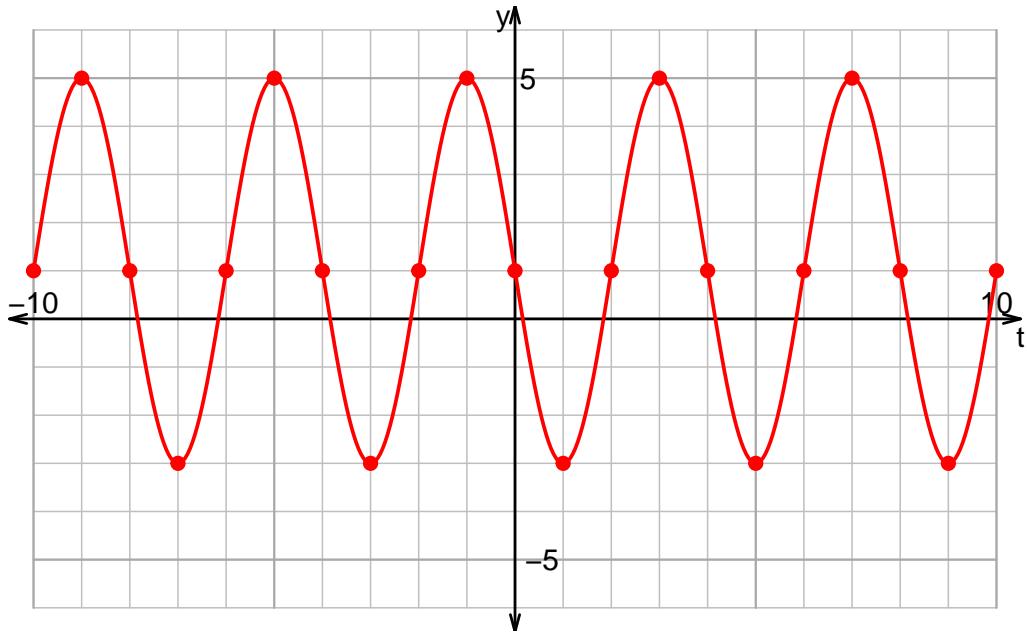
Date: _____

u15ws2: DRAW WAVES (SOLUTION v19)

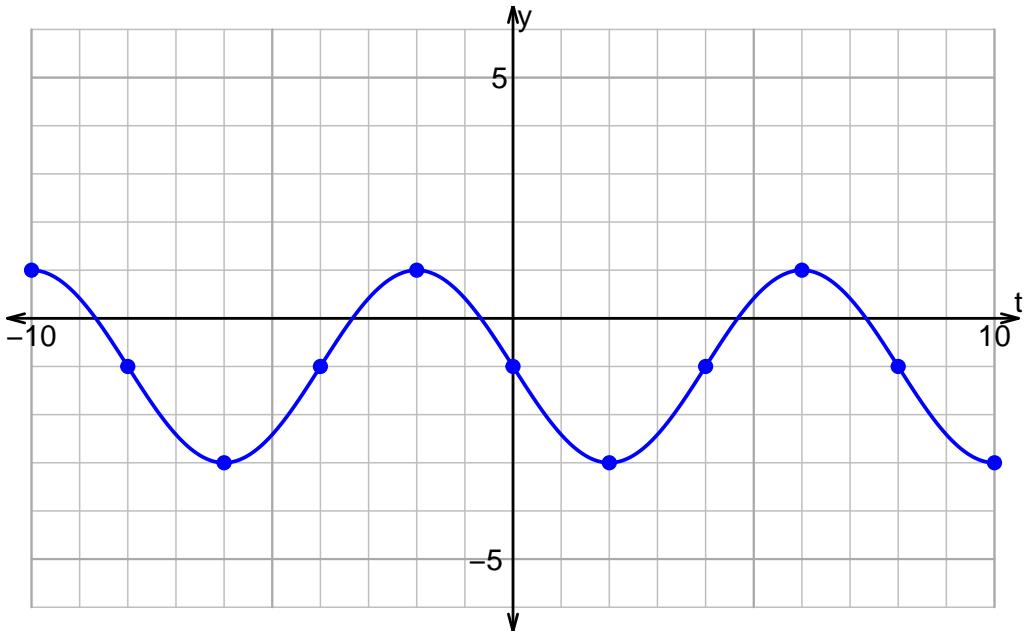
1. Plot $y = 3 \cos\left(\frac{\pi}{2}t\right) + 1$.



2. Plot $y = -4 \sin\left(\frac{\pi}{2}t\right) + 1$.

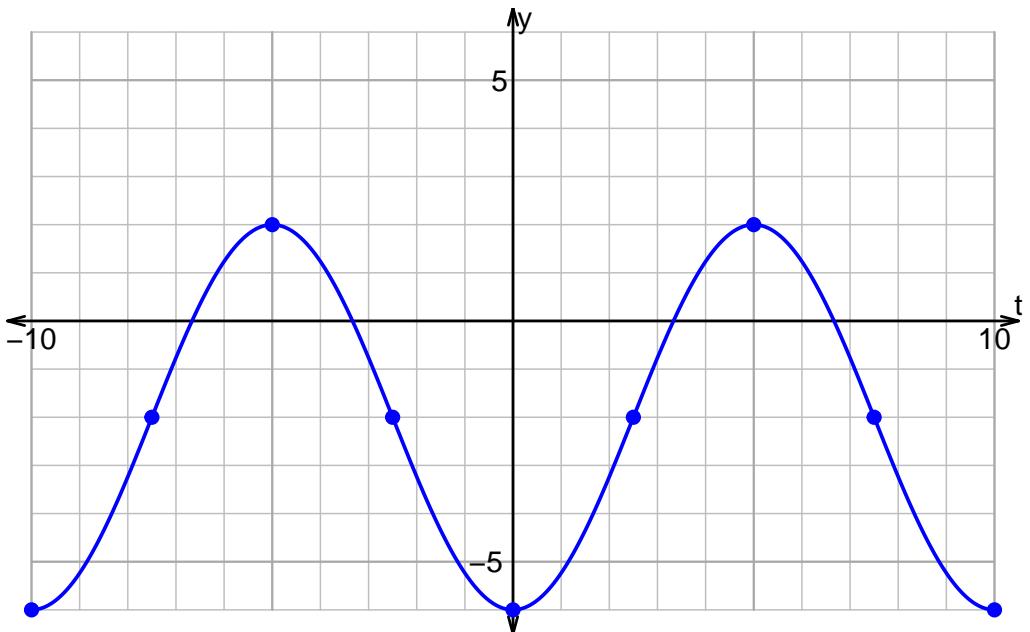


3. Give an equation for the plot below:



$$y = -2 \sin\left(\frac{\pi}{4}t\right) - 1$$

4. Give an equation for the plot below:



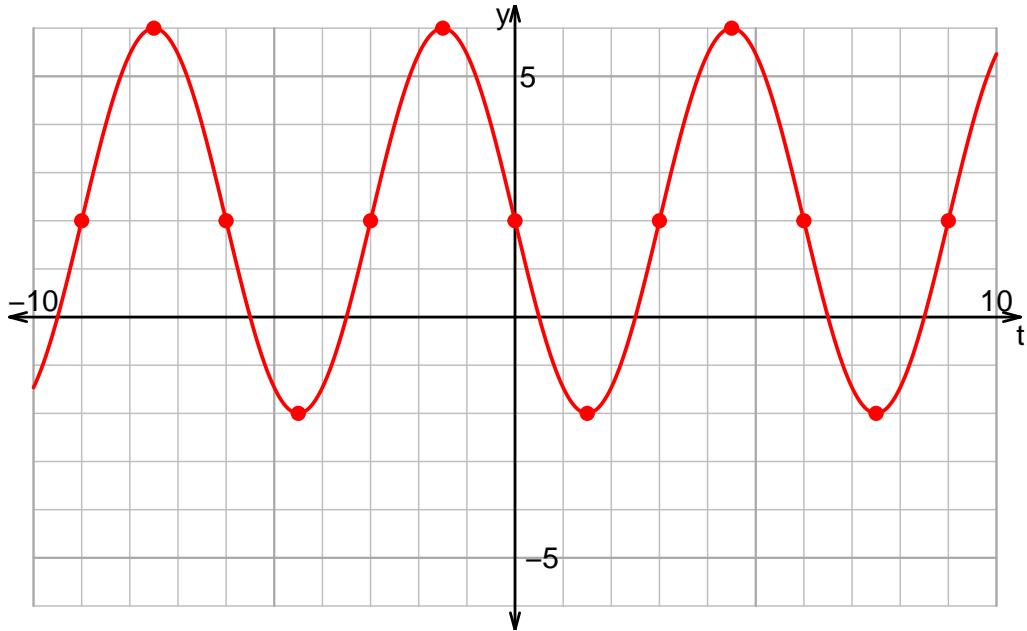
$$y = -4 \cos\left(\frac{\pi}{5}t\right) - 2$$

Name: _____

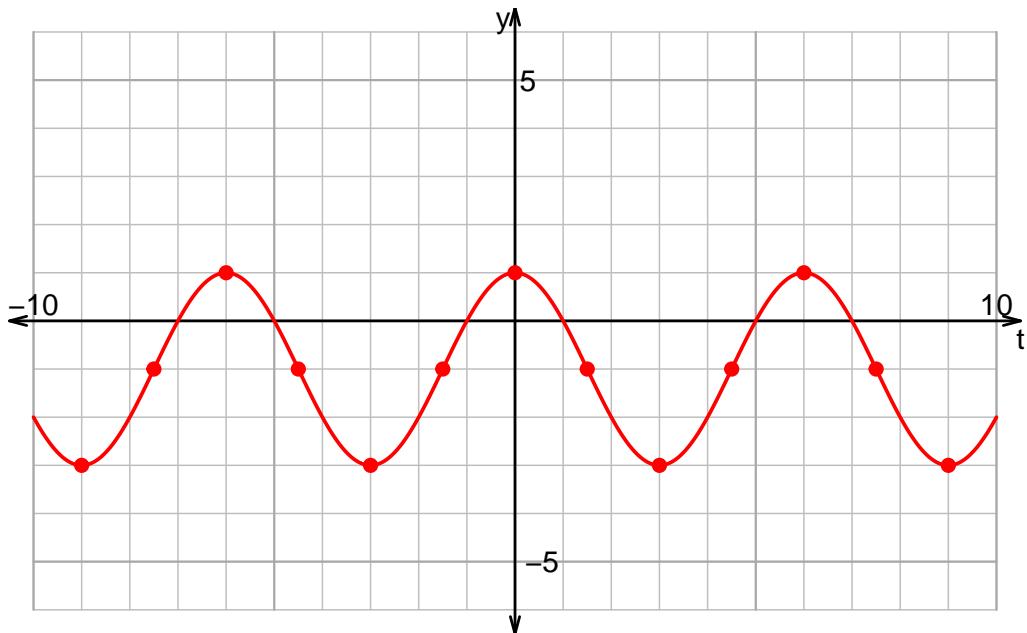
Date: _____

u15ws2: DRAW WAVES (SOLUTION v20)

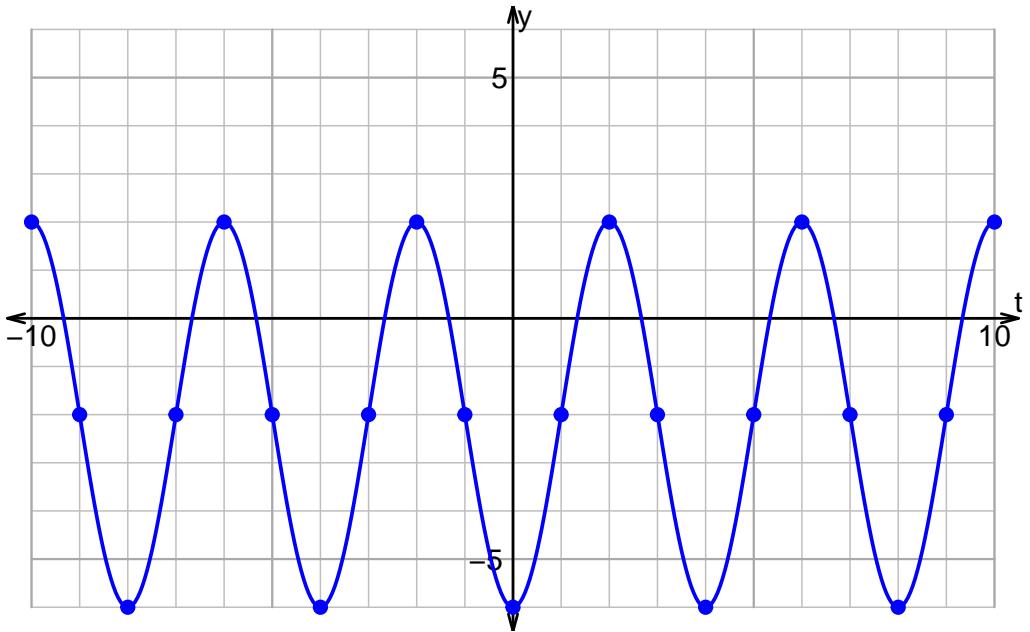
1. Plot $y = -4 \sin\left(\frac{\pi}{3}t\right) + 2$.



2. Plot $y = 2 \cos\left(\frac{\pi}{3}t\right) - 1$.

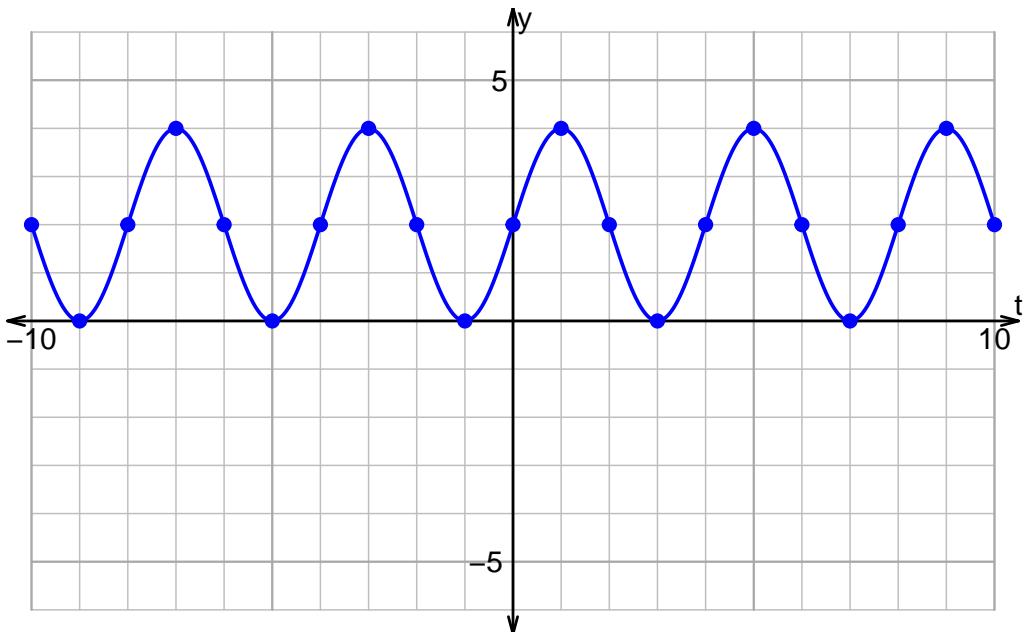


3. Give an equation for the plot below:



$$y = -4 \cos\left(\frac{\pi}{2}t\right) - 2$$

4. Give an equation for the plot below:



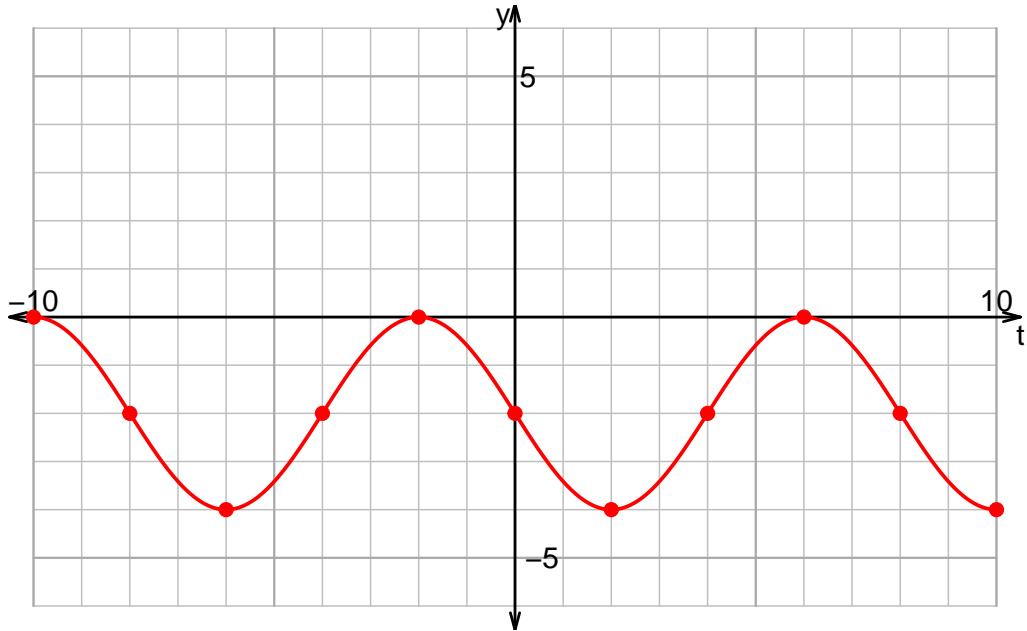
$$y = 2 \sin\left(\frac{\pi}{2}t\right) + 2$$

Name: _____

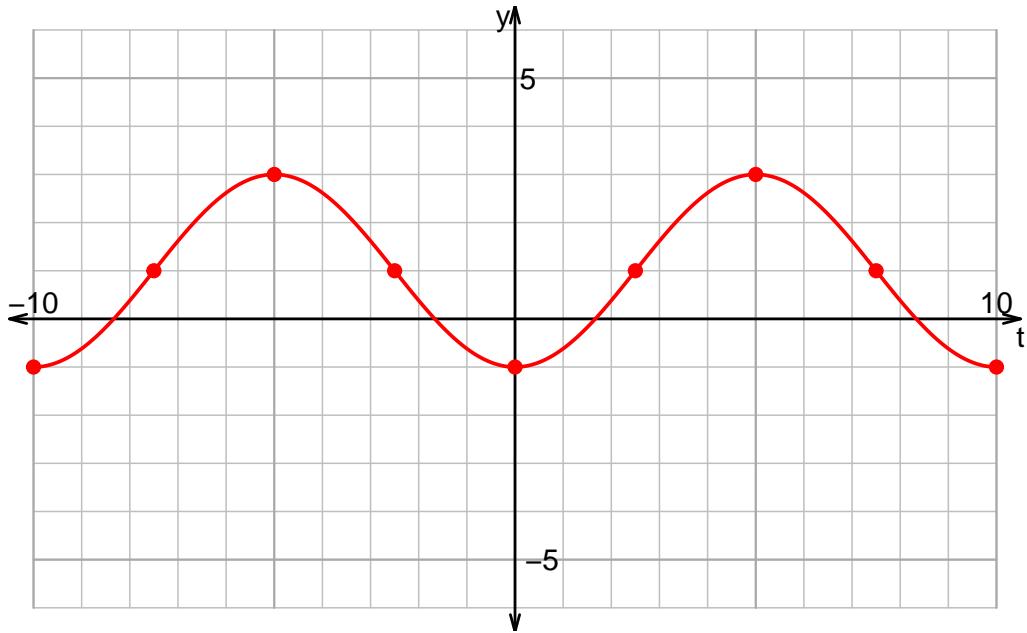
Date: _____

u15ws2: DRAW WAVES (SOLUTION v21)

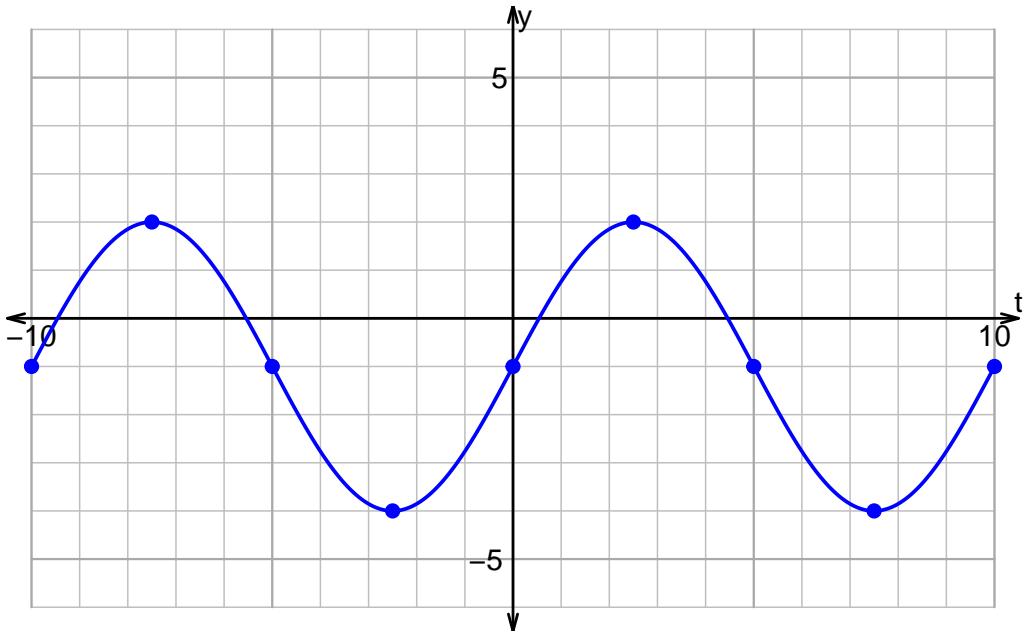
1. Plot $y = -2 \sin\left(\frac{\pi}{4}t\right) - 2$.



2. Plot $y = -2 \cos\left(\frac{\pi}{5}t\right) + 1$.

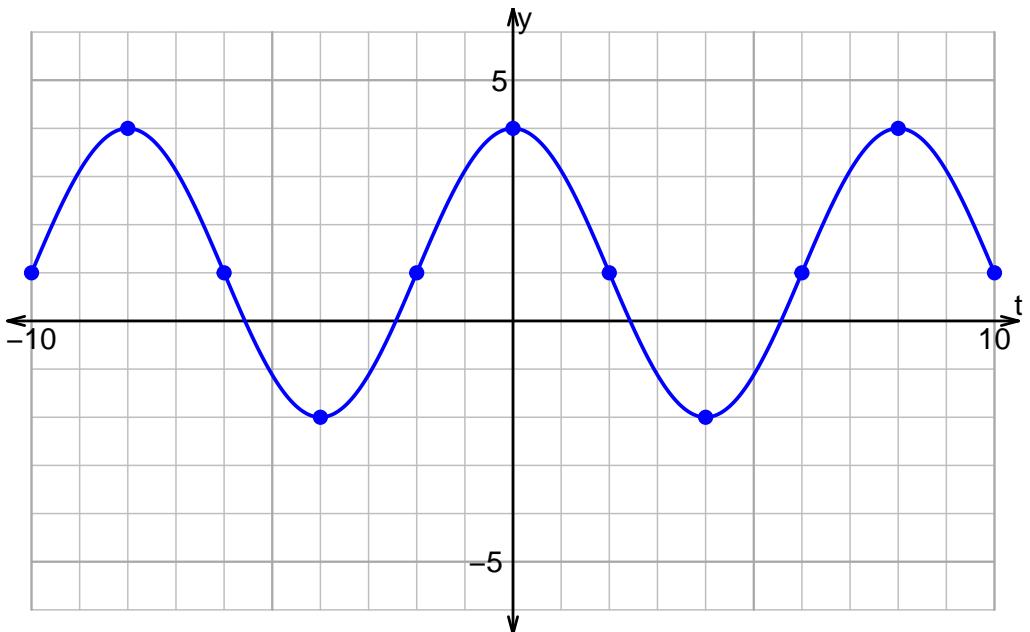


3. Give an equation for the plot below:



$$y = 3 \sin\left(\frac{\pi}{5}t\right) - 1$$

4. Give an equation for the plot below:



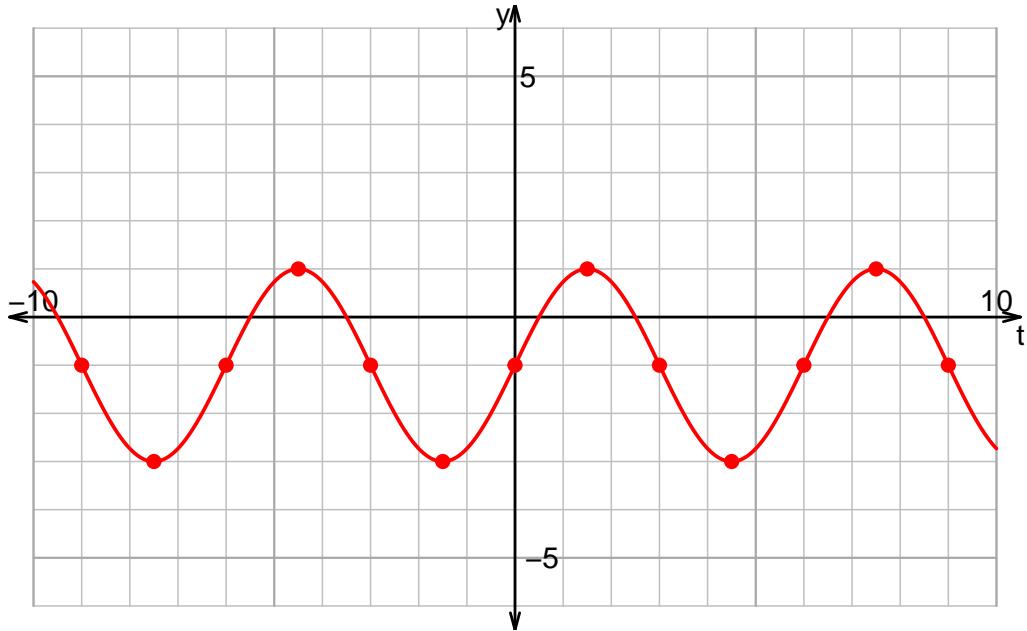
$$y = 3 \cos\left(\frac{\pi}{4}t\right) + 1$$

Name: _____

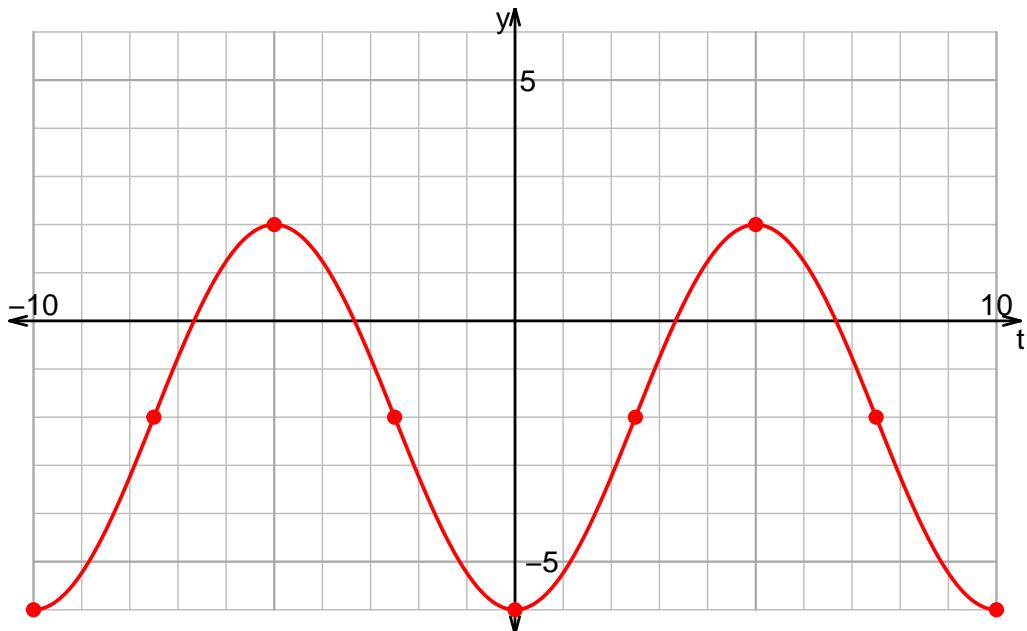
Date: _____

u15ws2: DRAW WAVES (SOLUTION v22)

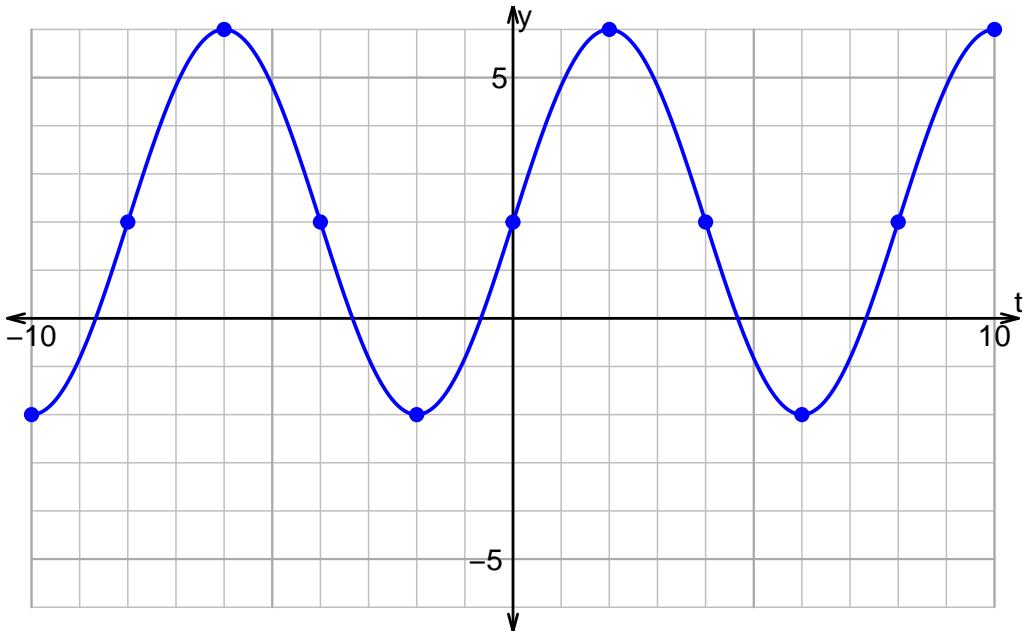
1. Plot $y = 2 \sin\left(\frac{\pi}{3}t\right) - 1$.



2. Plot $y = -4 \cos\left(\frac{\pi}{5}t\right) - 2$.

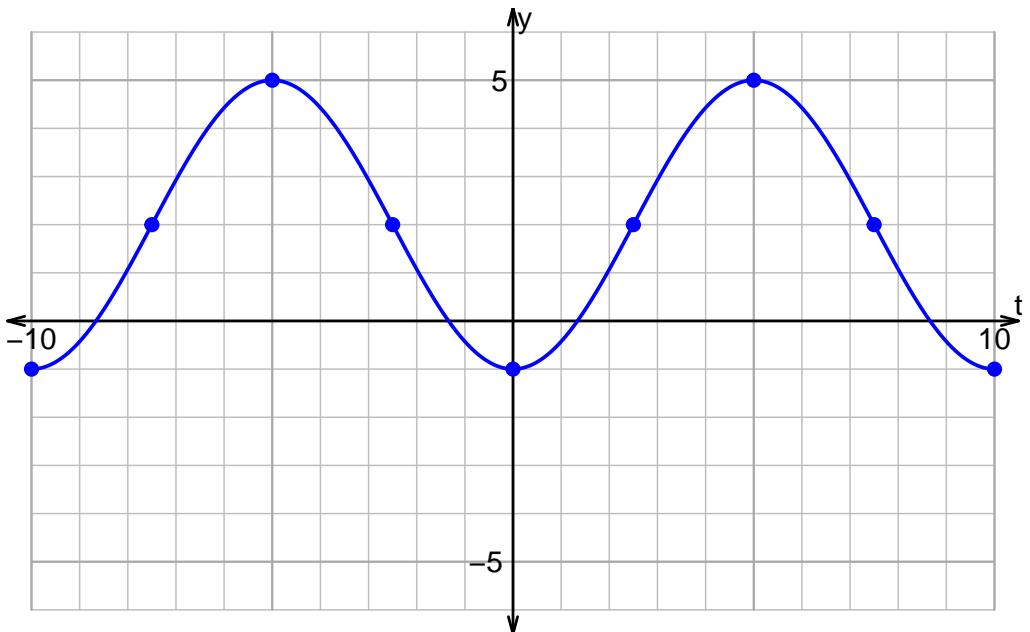


3. Give an equation for the plot below:



$$y = 4 \sin\left(\frac{\pi}{4}t\right) + 2$$

4. Give an equation for the plot below:



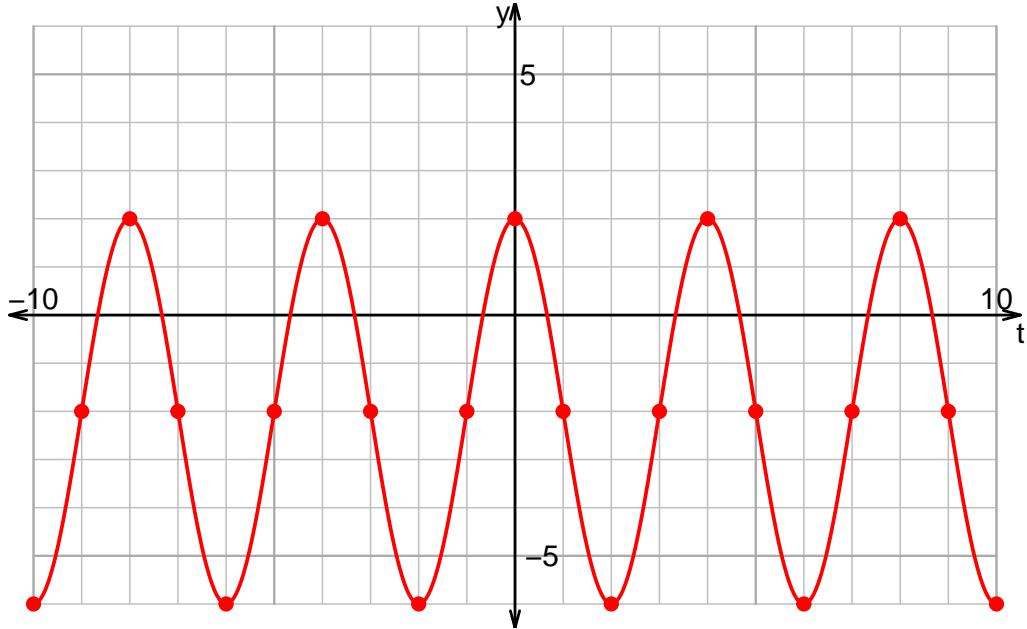
$$y = -3 \cos\left(\frac{\pi}{5}t\right) + 2$$

Name: _____

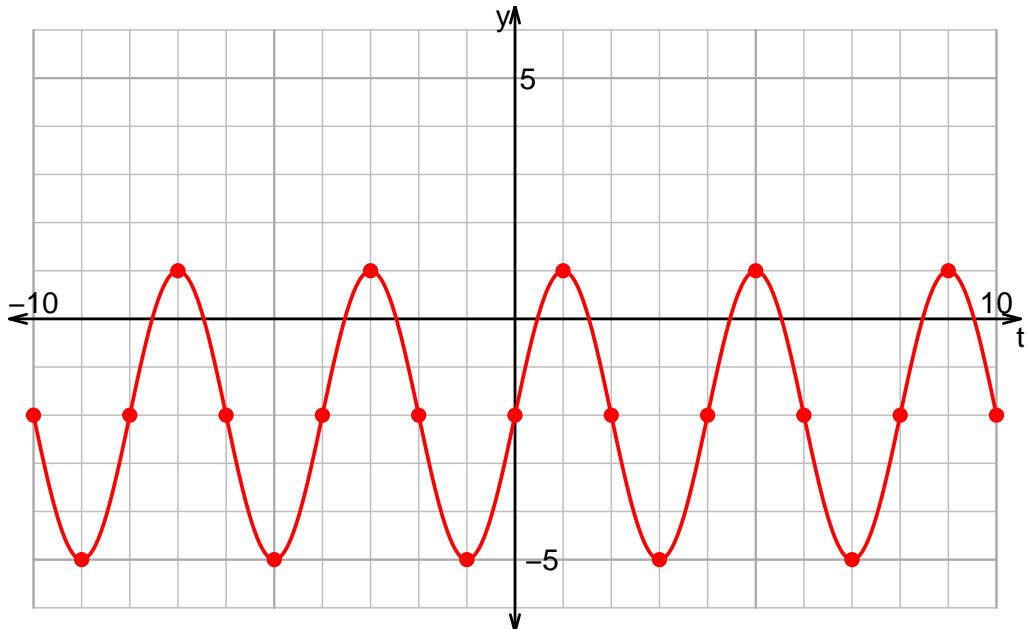
Date: _____

u15ws2: DRAW WAVES (SOLUTION v23)

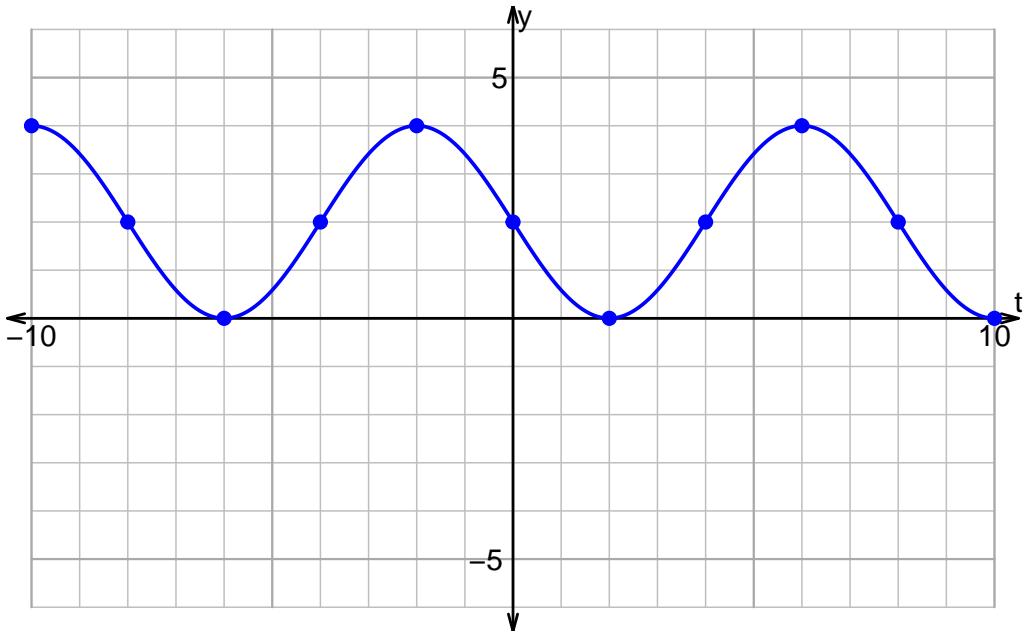
1. Plot $y = 4 \cos\left(\frac{\pi}{2}t\right) - 2$.



2. Plot $y = 3 \sin\left(\frac{\pi}{2}t\right) - 2$.

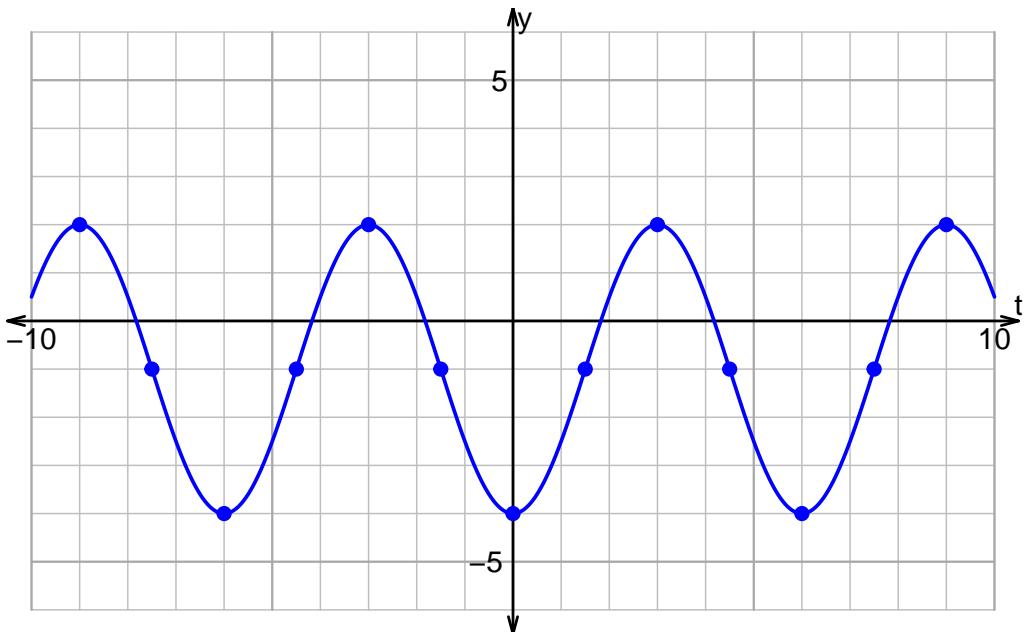


3. Give an equation for the plot below:



$$y = -2 \sin\left(\frac{\pi}{4}t\right) + 2$$

4. Give an equation for the plot below:



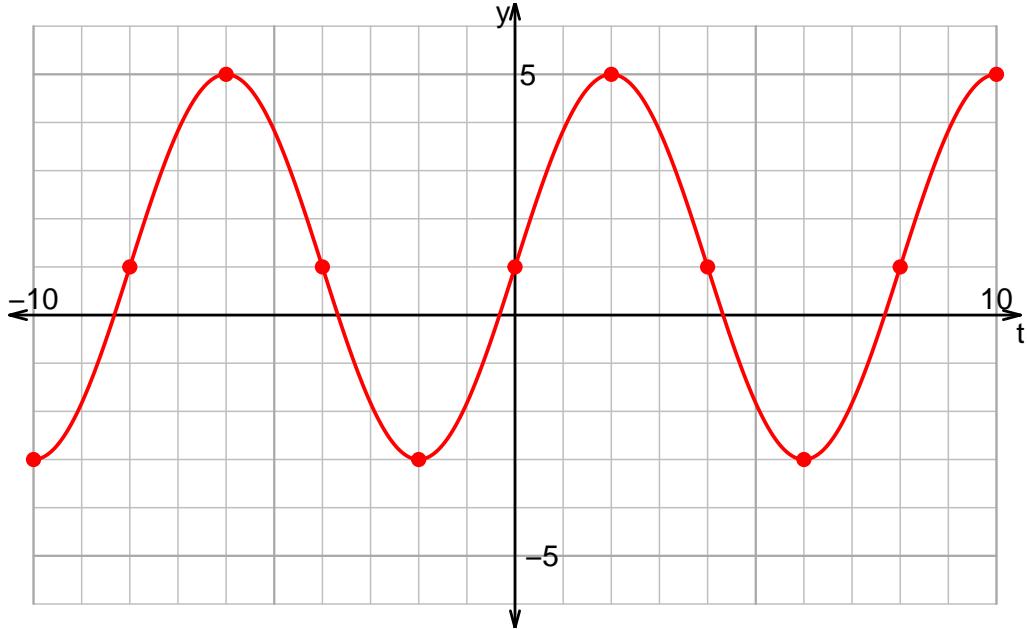
$$y = -3 \cos\left(\frac{\pi}{3}t\right) - 1$$

Name: _____

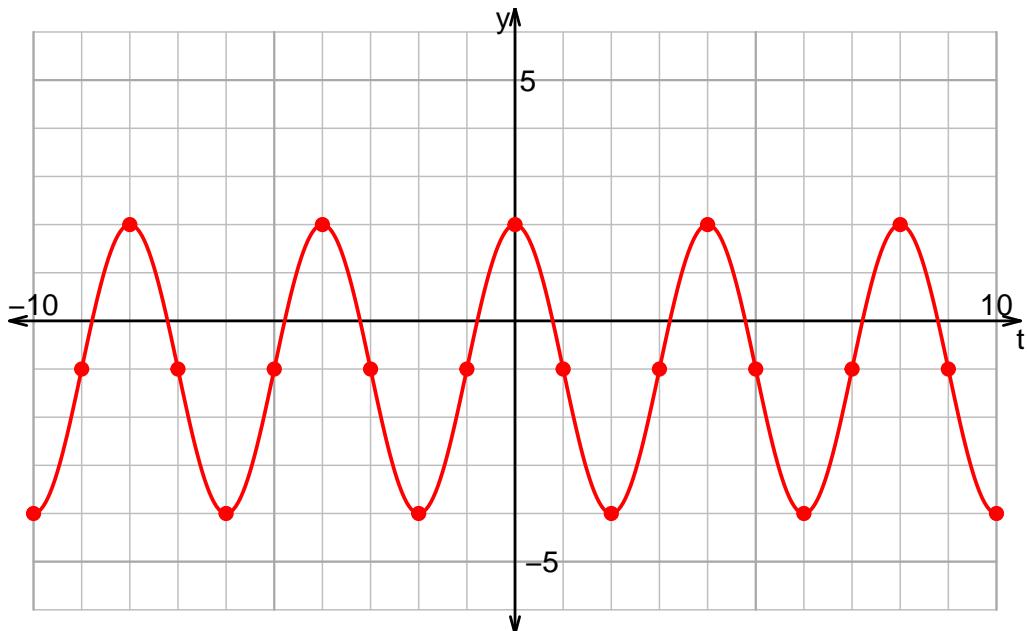
Date: _____

u15ws2: DRAW WAVES (SOLUTION v24)

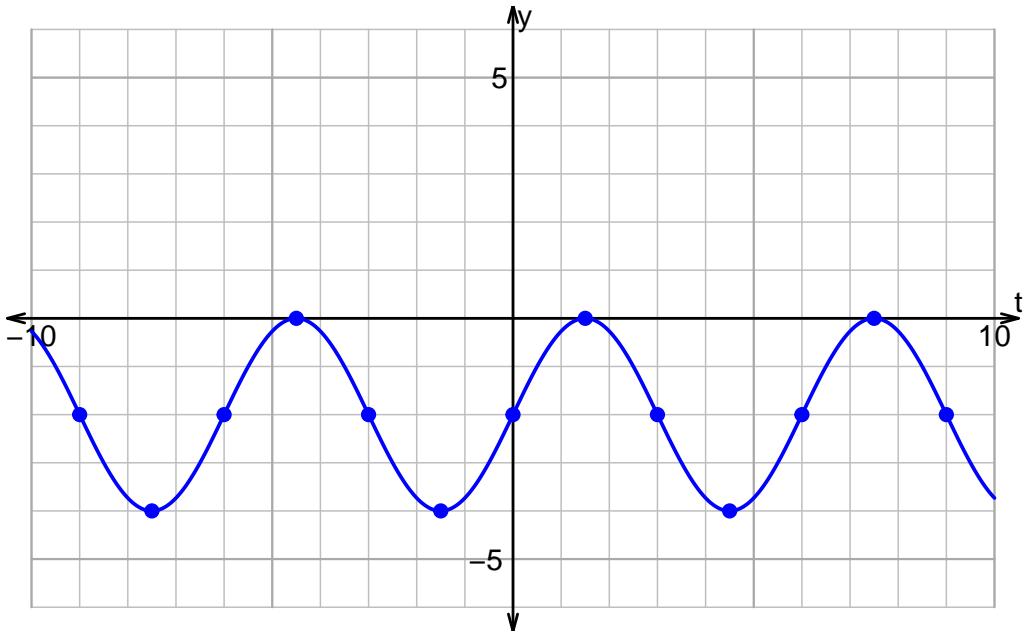
1. Plot $y = 4 \sin\left(\frac{\pi}{4}t\right) + 1$.



2. Plot $y = 3 \cos\left(\frac{\pi}{2}t\right) - 1$.

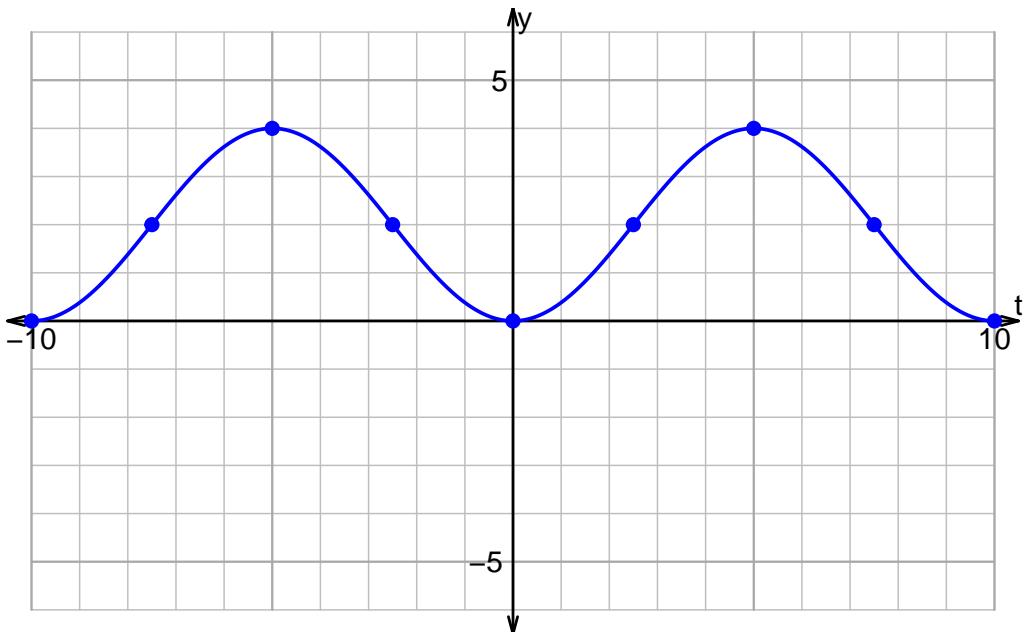


3. Give an equation for the plot below:



$$y = 2 \sin\left(\frac{\pi}{3}t\right) - 2$$

4. Give an equation for the plot below:



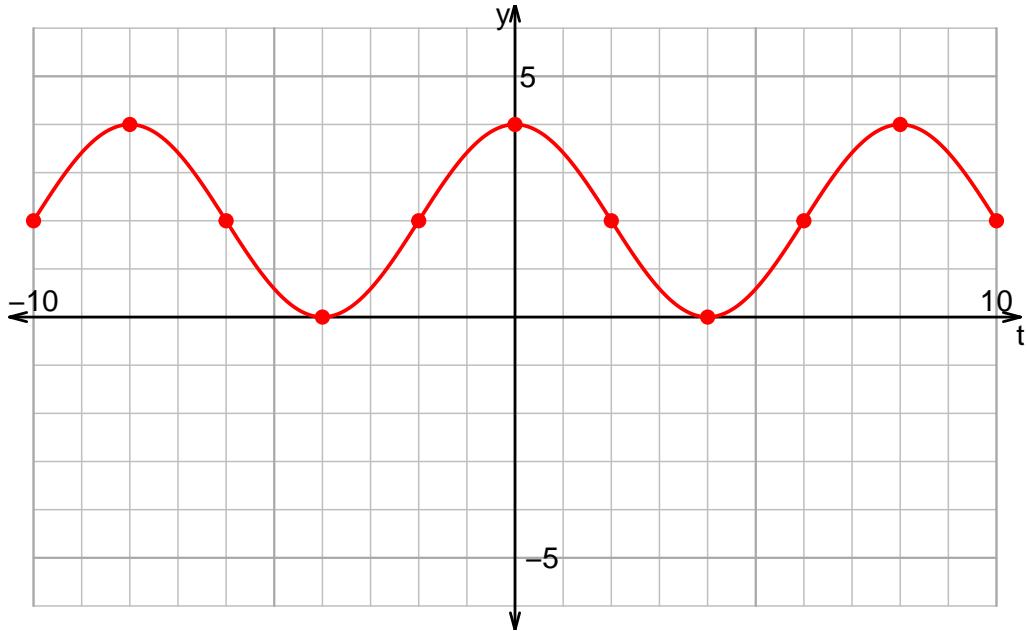
$$y = -2 \cos\left(\frac{\pi}{5}t\right) + 2$$

Name: _____

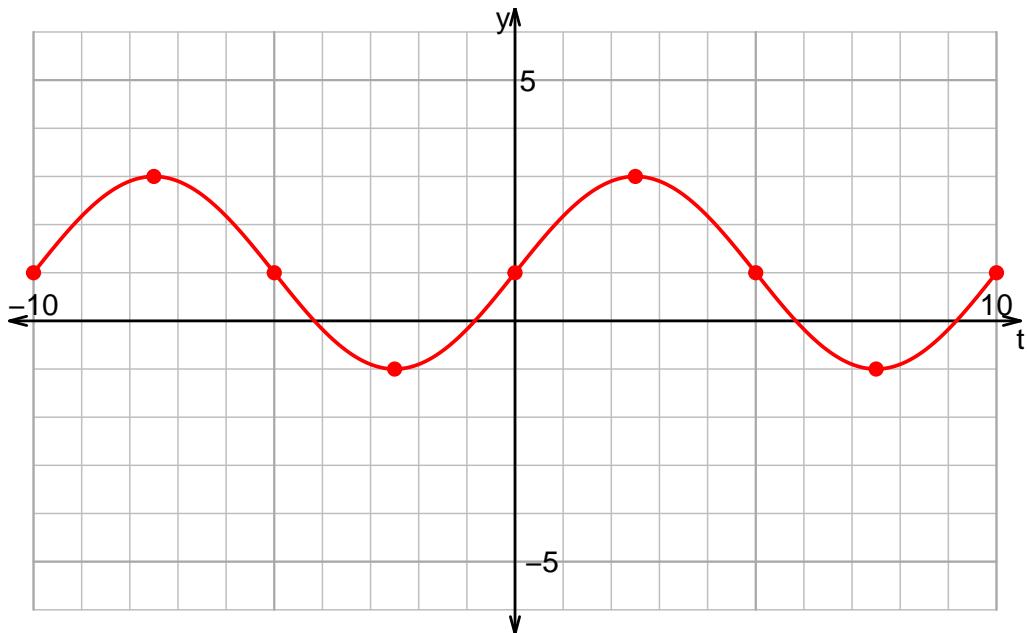
Date: _____

u15ws2: DRAW WAVES (SOLUTION v25)

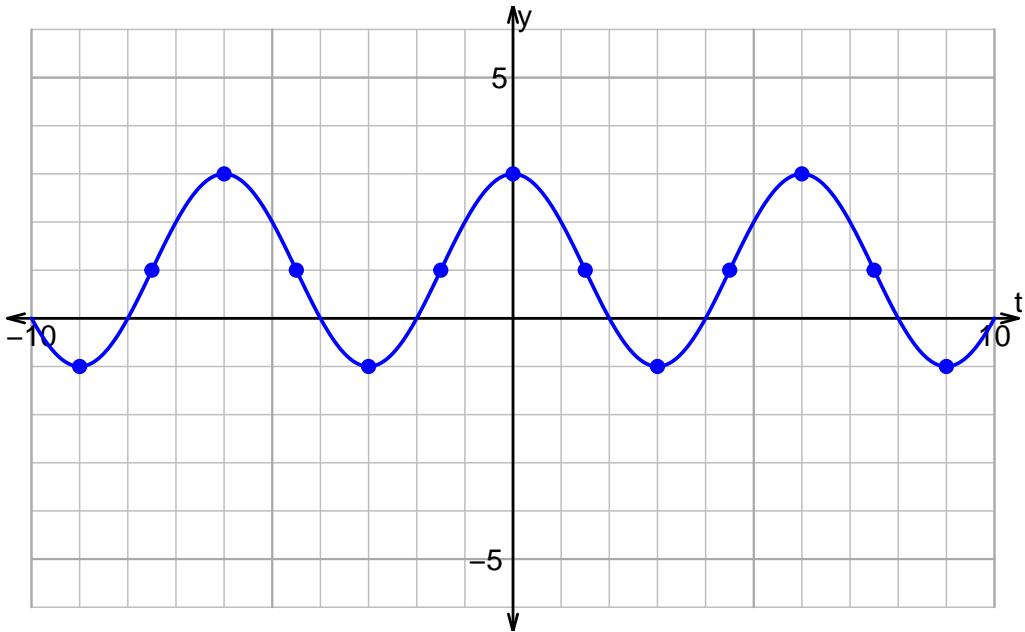
1. Plot $y = 2 \cos\left(\frac{\pi}{4}t\right) + 2$.



2. Plot $y = 2 \sin\left(\frac{\pi}{5}t\right) + 1$.

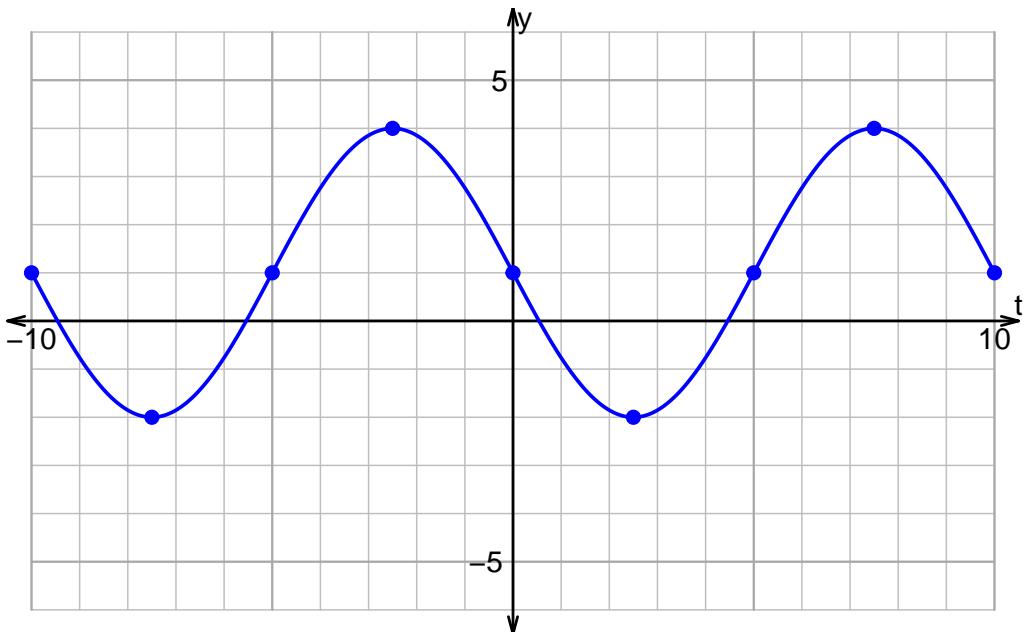


3. Give an equation for the plot below:



$$y = 2 \cos\left(\frac{\pi}{3}t\right) + 1$$

4. Give an equation for the plot below:



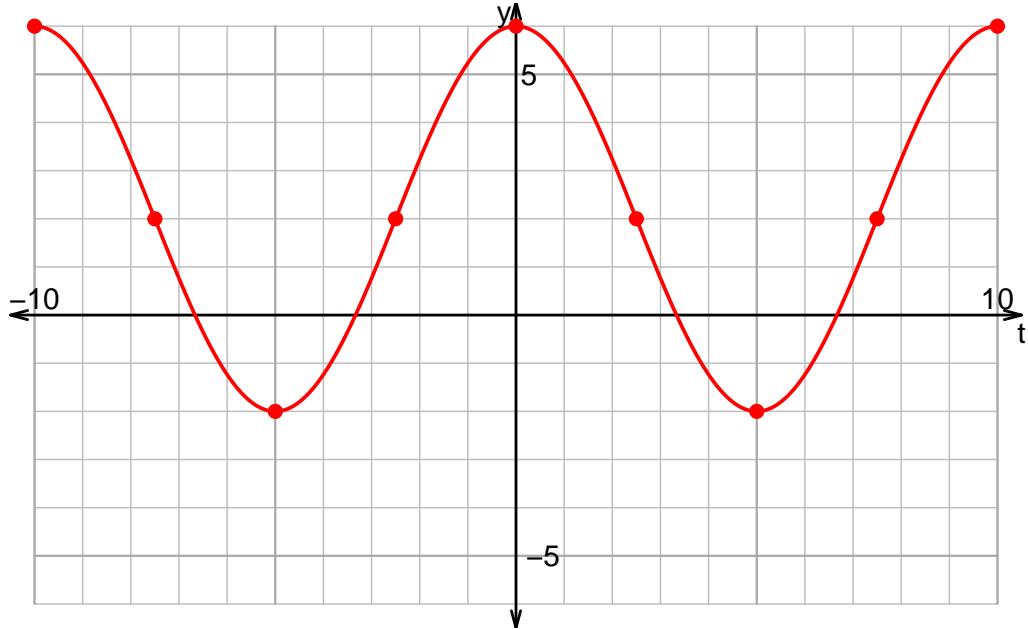
$$y = -3 \sin\left(\frac{\pi}{5}t\right) + 1$$

Name: _____

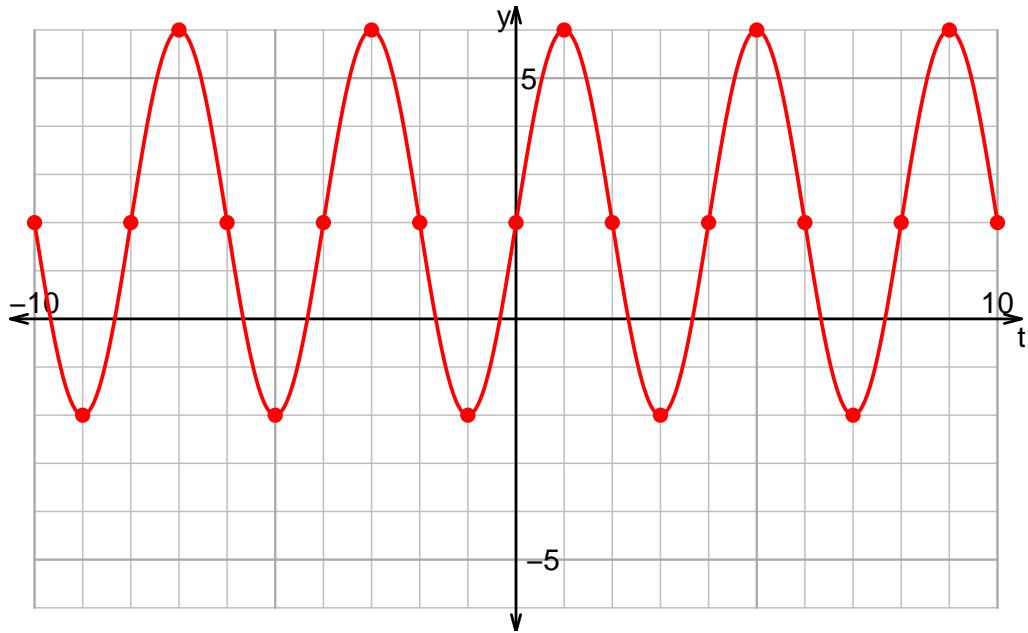
Date: _____

u15ws2: DRAW WAVES (SOLUTION v26)

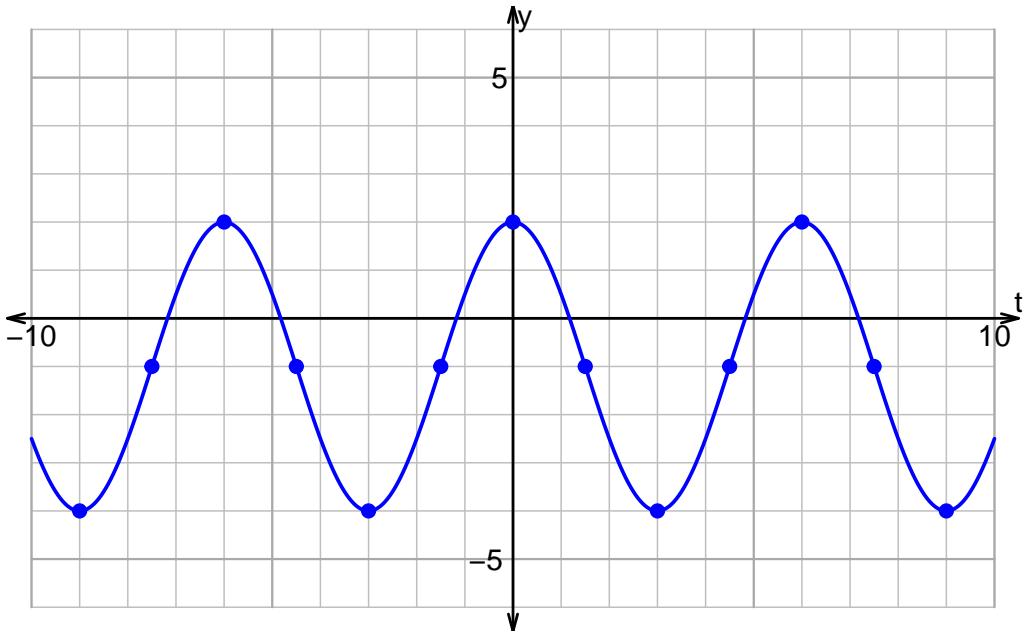
1. Plot $y = 4 \cos\left(\frac{\pi}{5}t\right) + 2$.



2. Plot $y = 4 \sin\left(\frac{\pi}{2}t\right) + 2$.

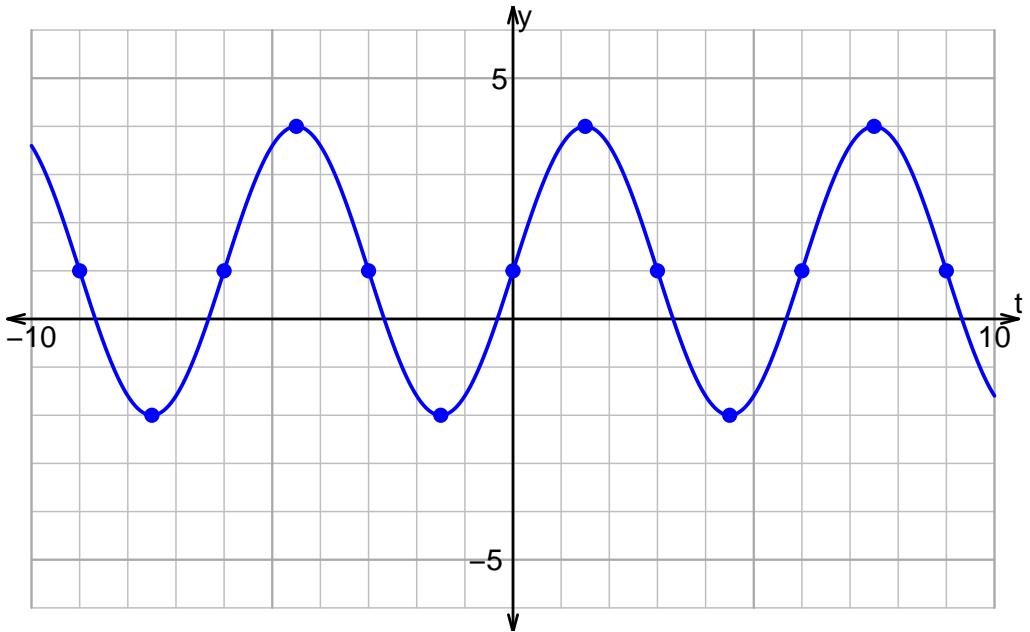


3. Give an equation for the plot below:



$$y = 3 \cos\left(\frac{\pi}{3}t\right) - 1$$

4. Give an equation for the plot below:



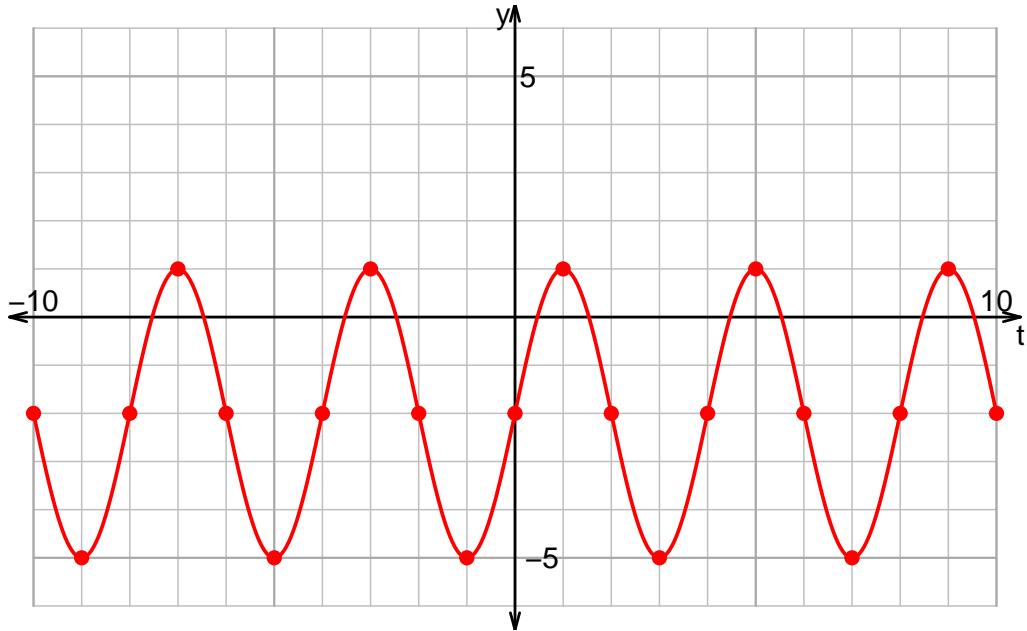
$$y = 3 \sin\left(\frac{\pi}{3}t\right) + 1$$

Name: _____

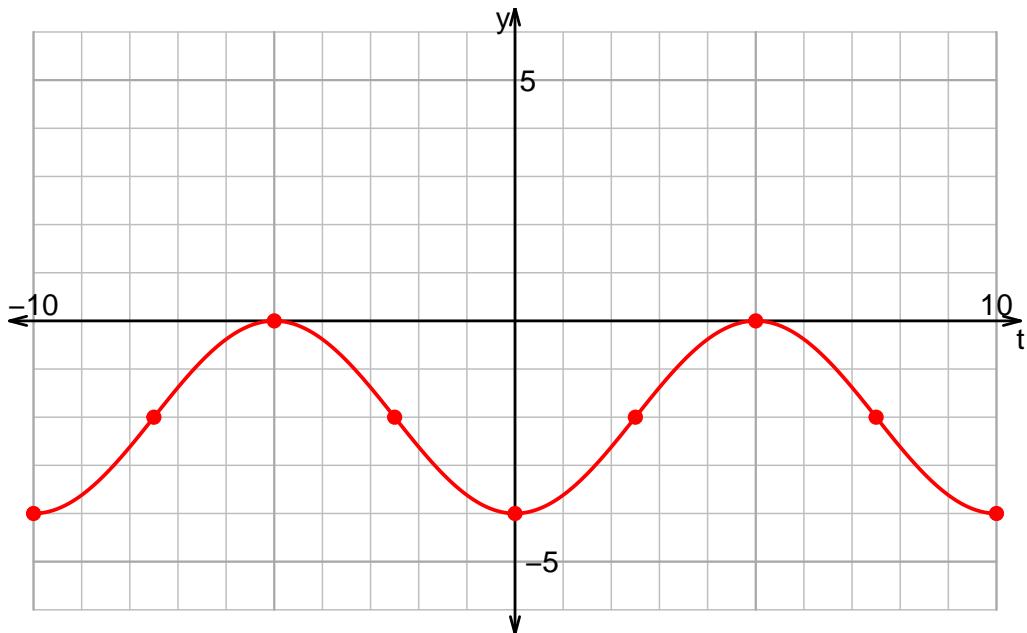
Date: _____

u15ws2: DRAW WAVES (SOLUTION v27)

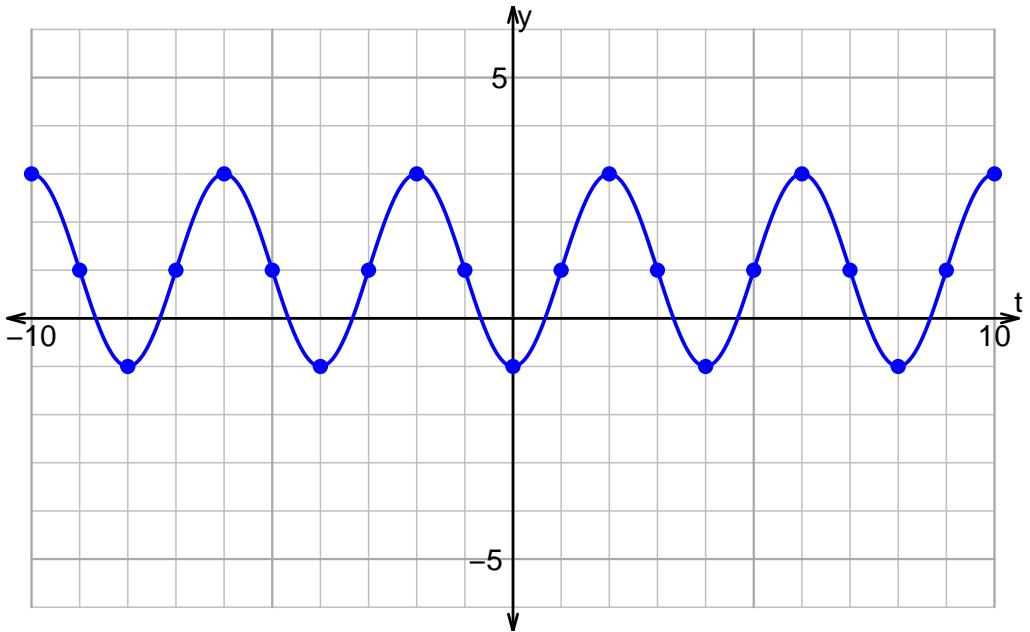
1. Plot $y = 3 \sin\left(\frac{\pi}{2}t\right) - 2$.



2. Plot $y = -2 \cos\left(\frac{\pi}{5}t\right) - 2$.

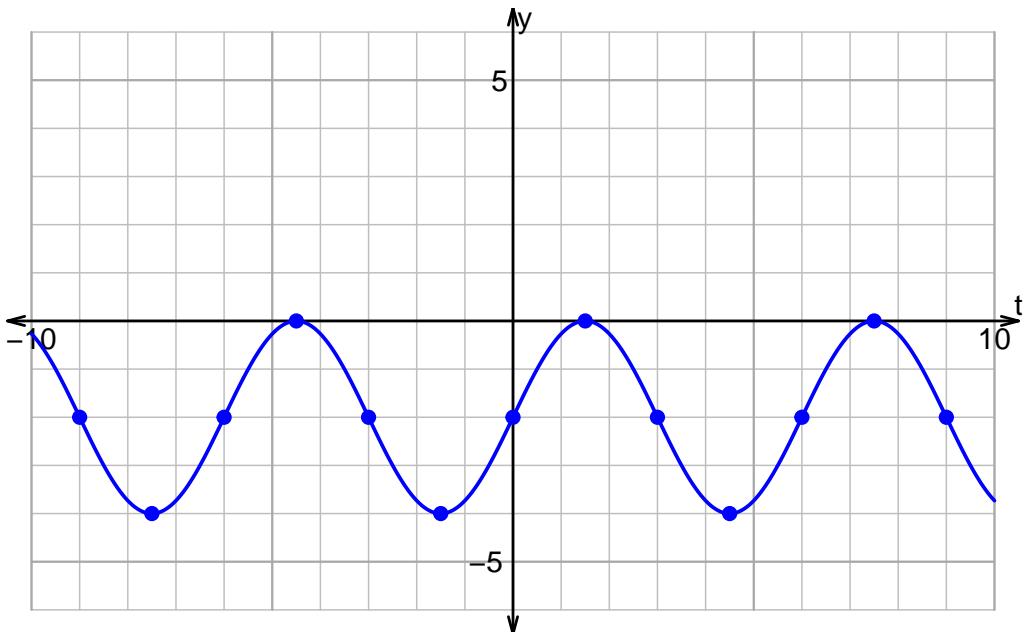


3. Give an equation for the plot below:



$$y = -2 \cos\left(\frac{\pi}{2}t\right) + 1$$

4. Give an equation for the plot below:



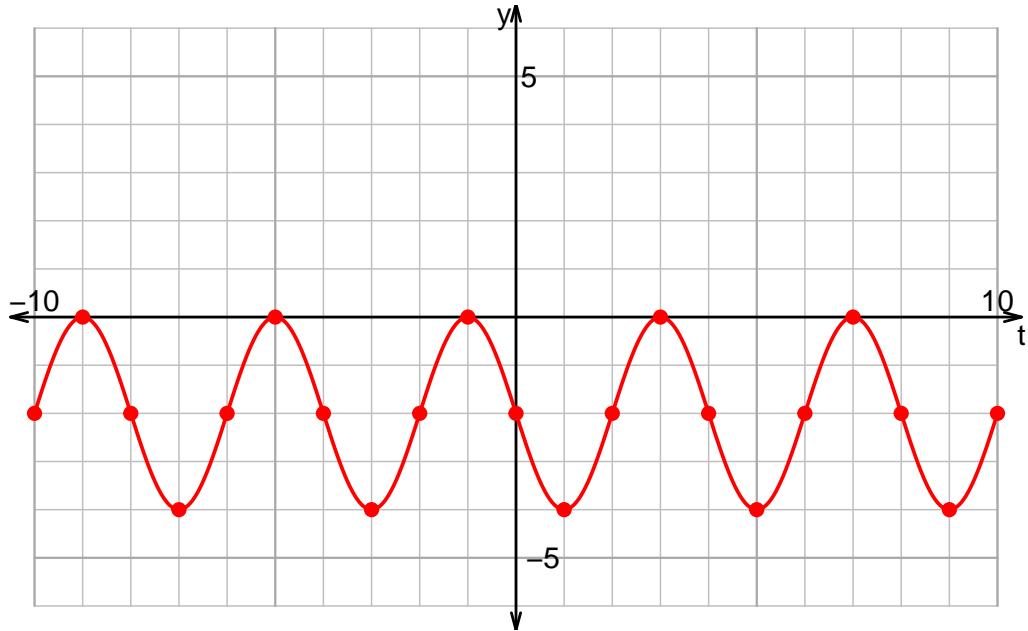
$$y = 2 \sin\left(\frac{\pi}{3}t\right) - 2$$

Name: _____

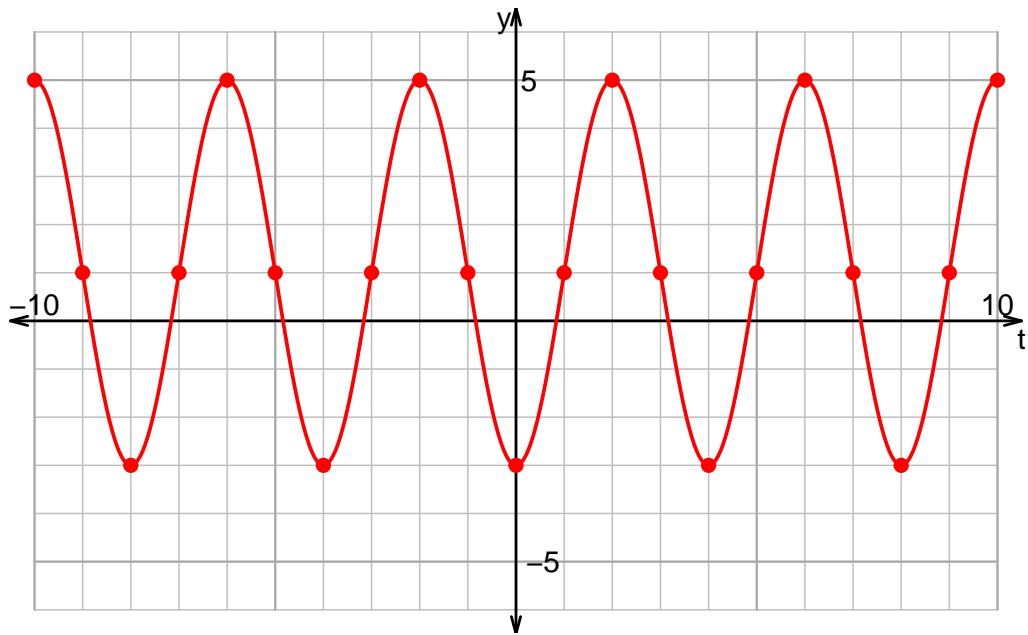
Date: _____

u15ws2: DRAW WAVES (SOLUTION v28)

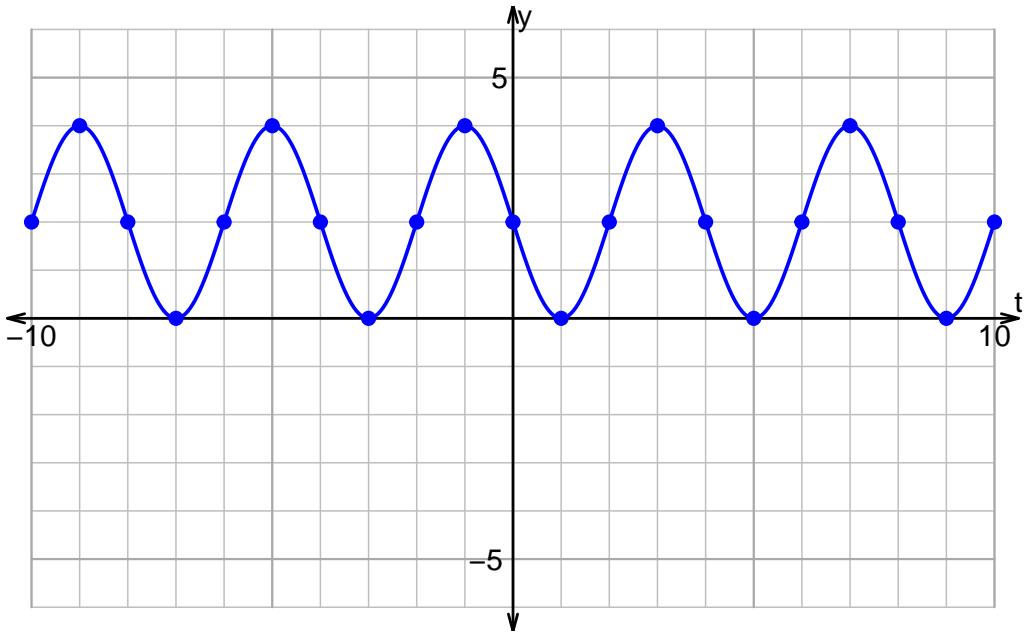
1. Plot $y = -2 \sin\left(\frac{\pi}{2}t\right) - 2$.



2. Plot $y = -4 \cos\left(\frac{\pi}{2}t\right) + 1$.

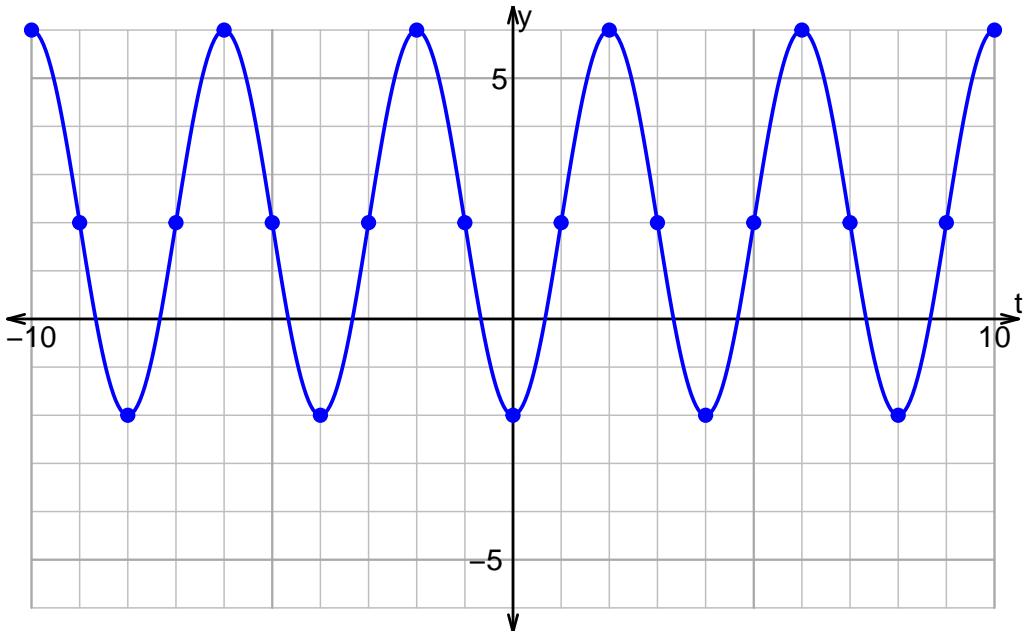


3. Give an equation for the plot below:



$$y = -2 \sin\left(\frac{\pi}{2}t\right) + 2$$

4. Give an equation for the plot below:



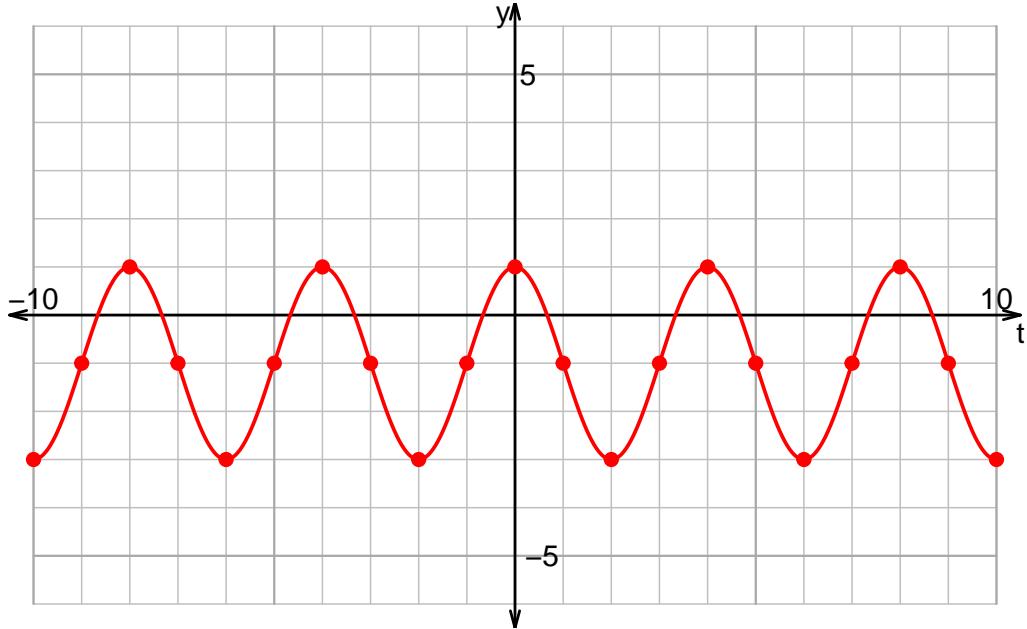
$$y = -4 \cos\left(\frac{\pi}{2}t\right) + 2$$

Name: _____

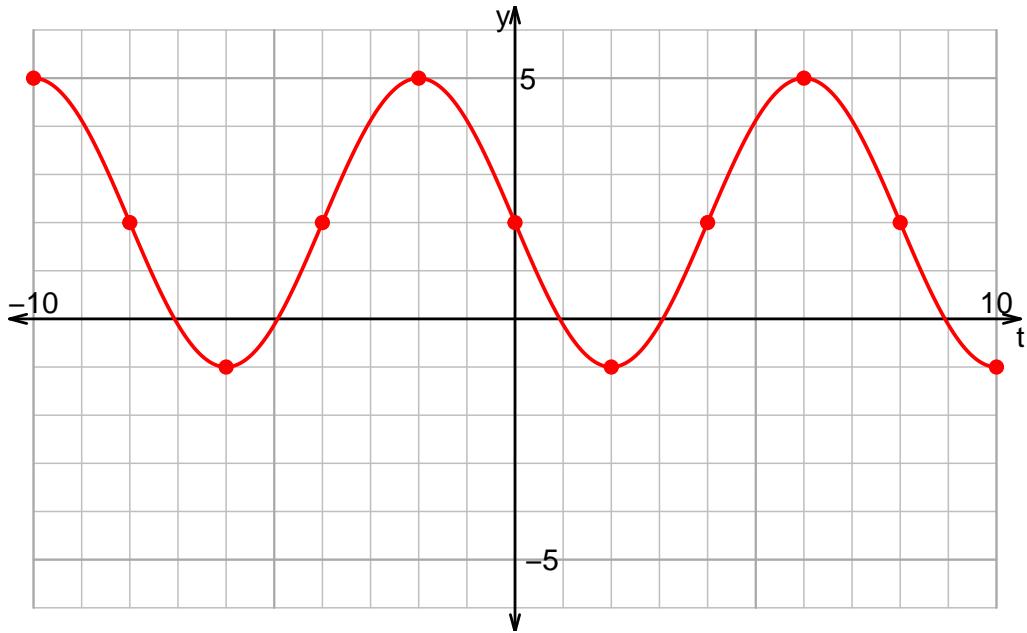
Date: _____

u15ws2: DRAW WAVES (SOLUTION v29)

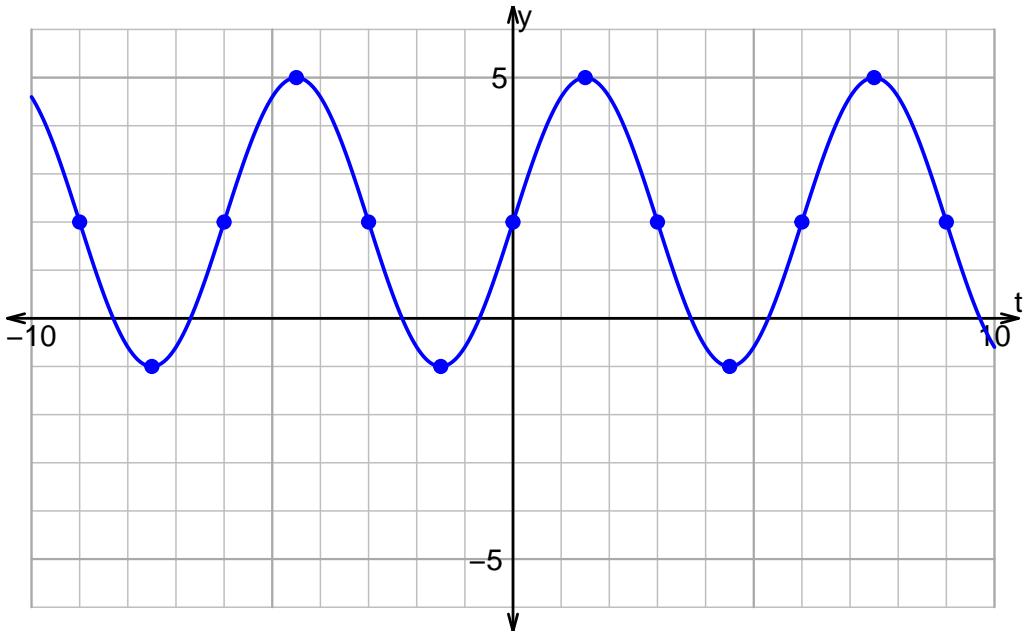
1. Plot $y = 2 \cos\left(\frac{\pi}{2}t\right) - 1$.



2. Plot $y = -3 \sin\left(\frac{\pi}{4}t\right) + 2$.

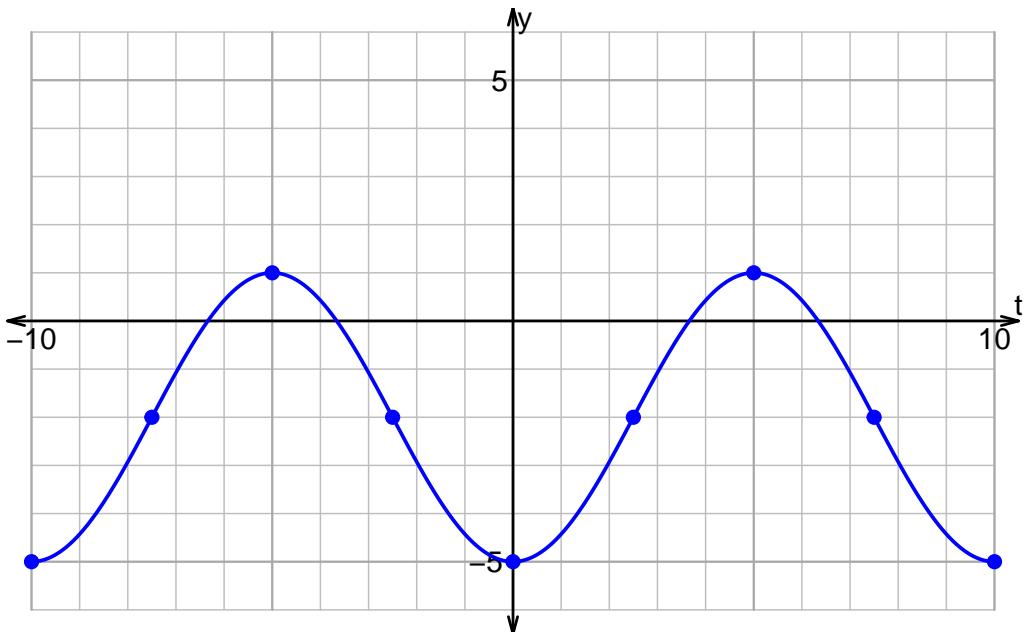


3. Give an equation for the plot below:



$$y = 3 \sin\left(\frac{\pi}{3}t\right) + 2$$

4. Give an equation for the plot below:



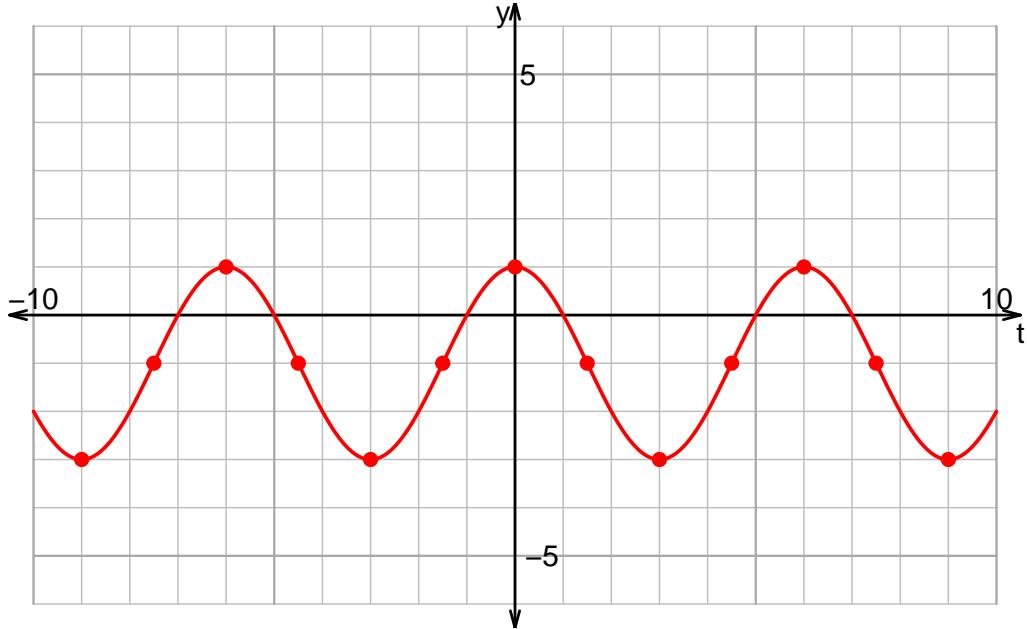
$$y = -3 \cos\left(\frac{\pi}{5}t\right) - 2$$

Name: _____

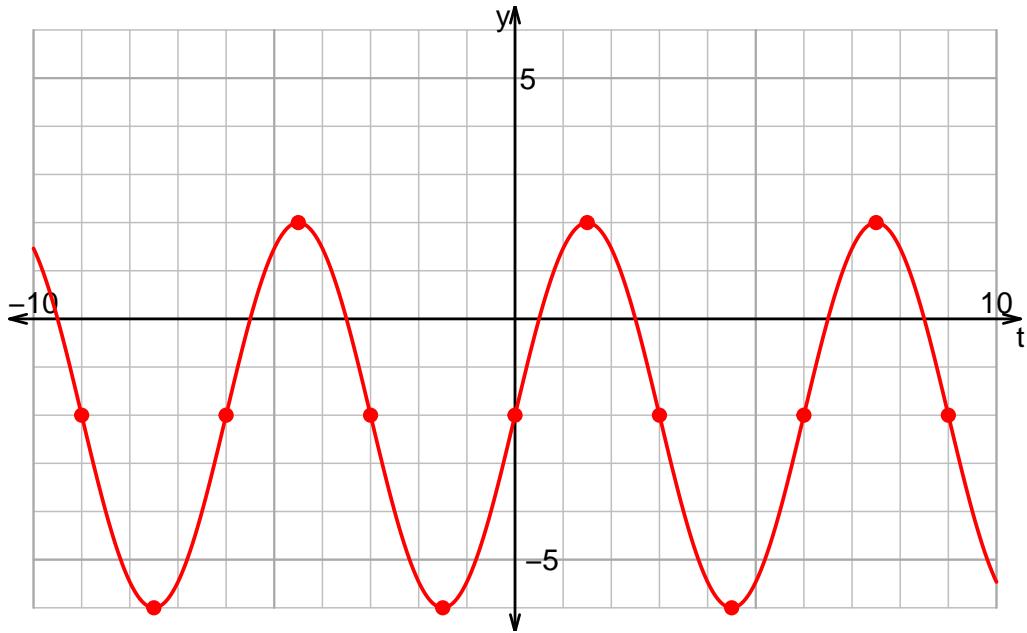
Date: _____

u15ws2: DRAW WAVES (SOLUTION v30)

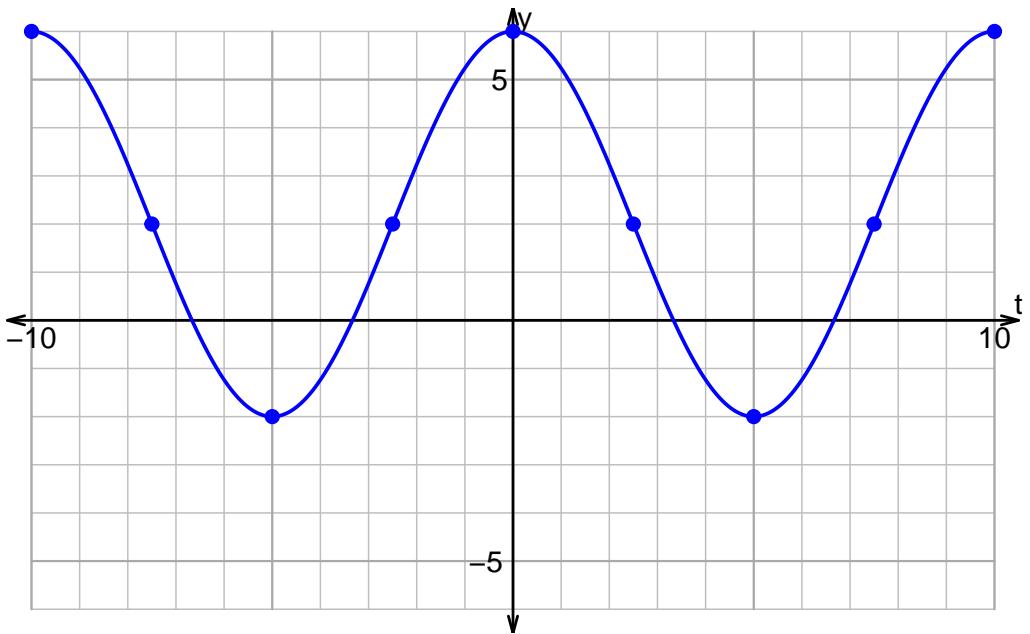
1. Plot $y = 2 \cos\left(\frac{\pi}{3}t\right) - 1$.



2. Plot $y = 4 \sin\left(\frac{\pi}{3}t\right) - 2$.

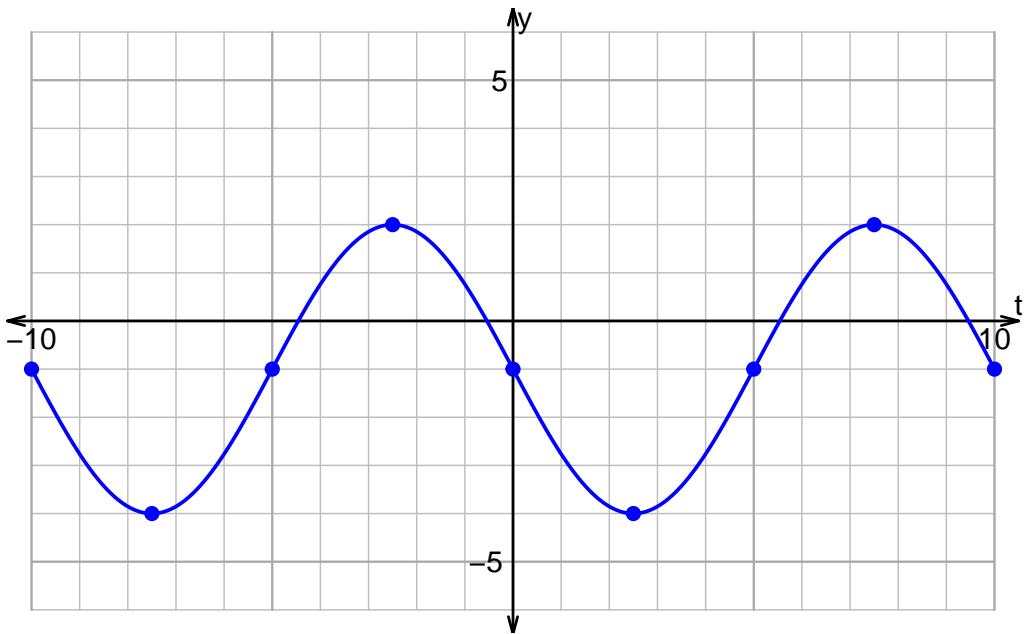


3. Give an equation for the plot below:



$$y = 4 \cos\left(\frac{\pi}{5}t\right) + 2$$

4. Give an equation for the plot below:



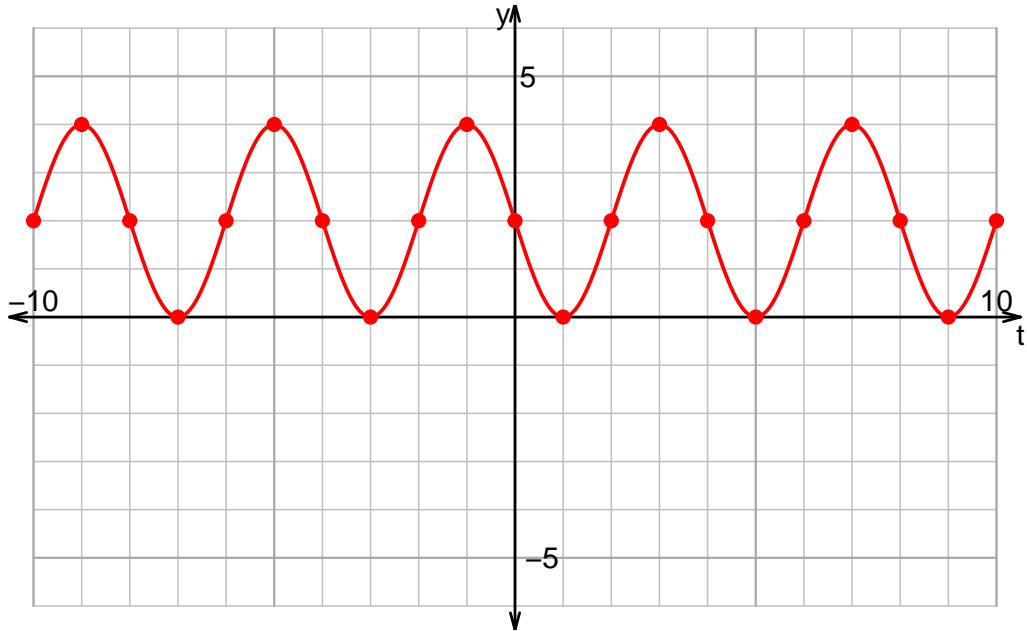
$$y = -3 \sin\left(\frac{\pi}{5}t\right) - 1$$

Name: _____

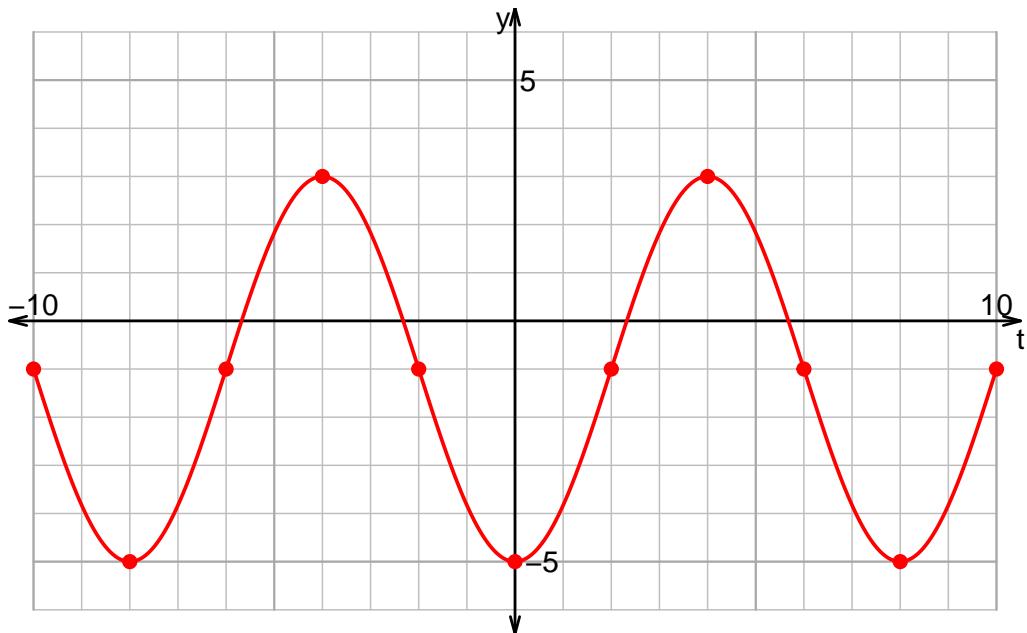
Date: _____

u15ws2: DRAW WAVES (SOLUTION v31)

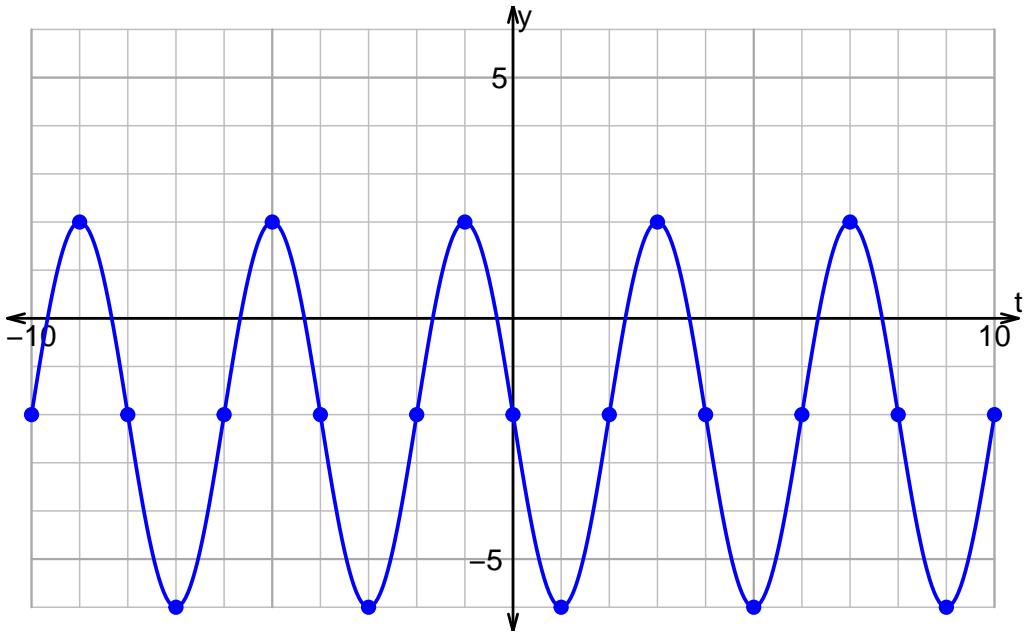
1. Plot $y = -2 \sin\left(\frac{\pi}{2}t\right) + 2$.



2. Plot $y = -4 \cos\left(\frac{\pi}{4}t\right) - 1$.

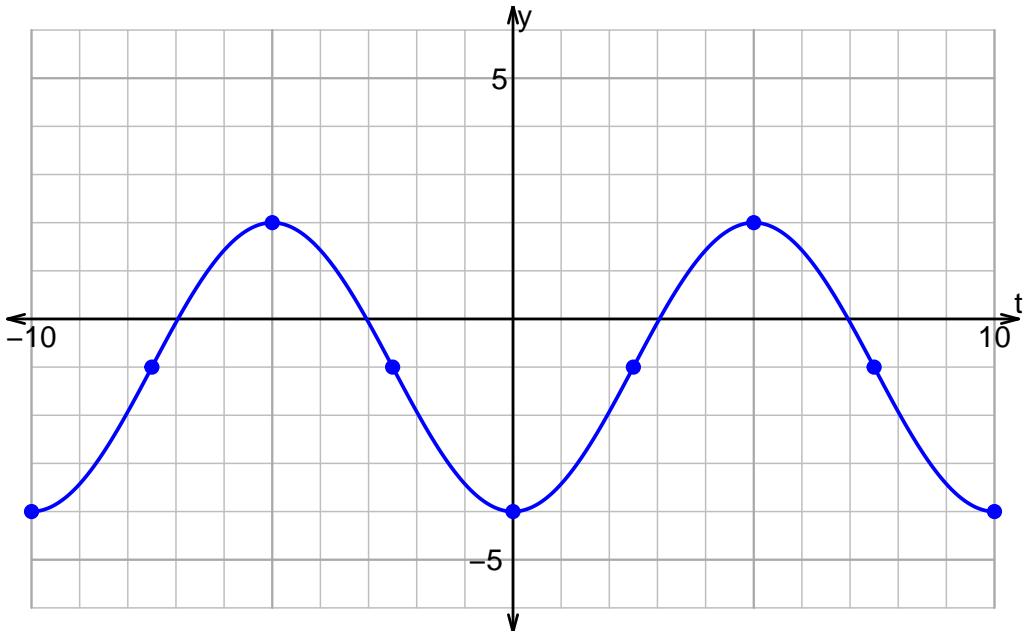


3. Give an equation for the plot below:



$$y = -4 \sin\left(\frac{\pi}{2}t\right) - 2$$

4. Give an equation for the plot below:



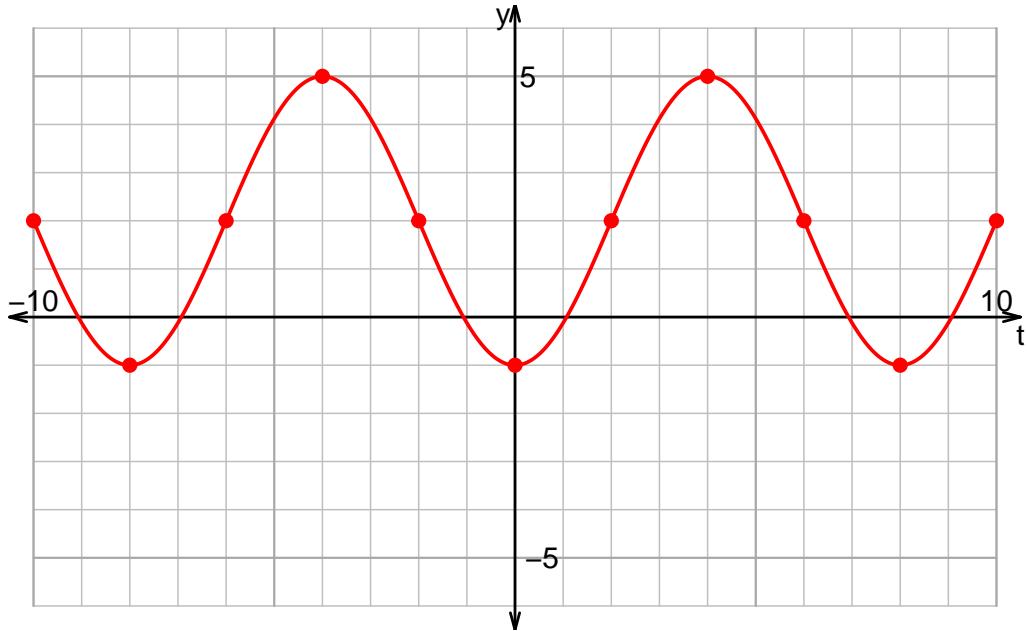
$$y = -3 \cos\left(\frac{\pi}{5}t\right) - 1$$

Name: _____

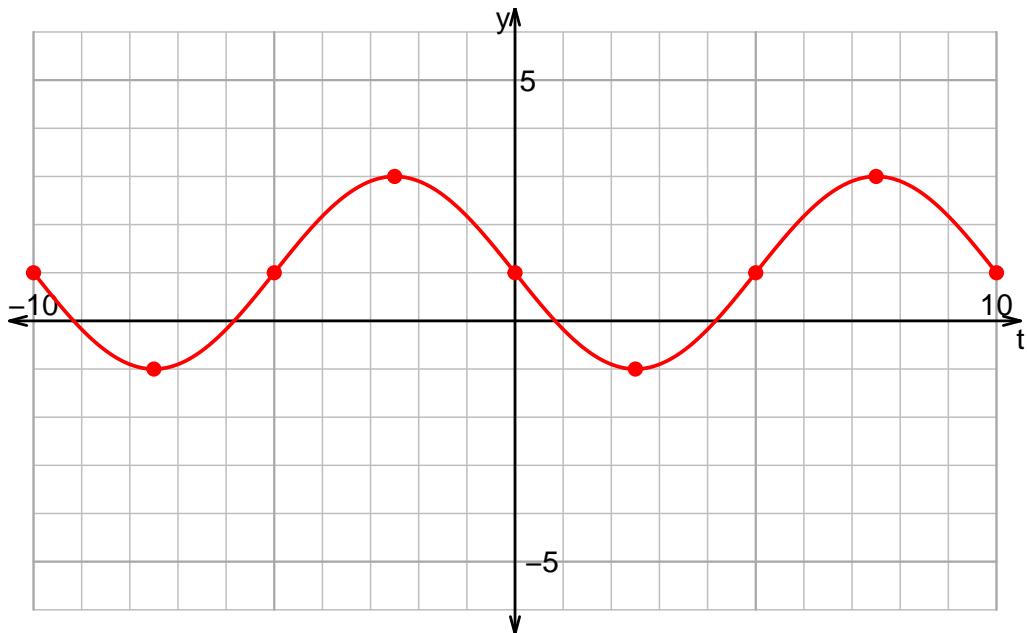
Date: _____

u15ws2: DRAW WAVES (SOLUTION v32)

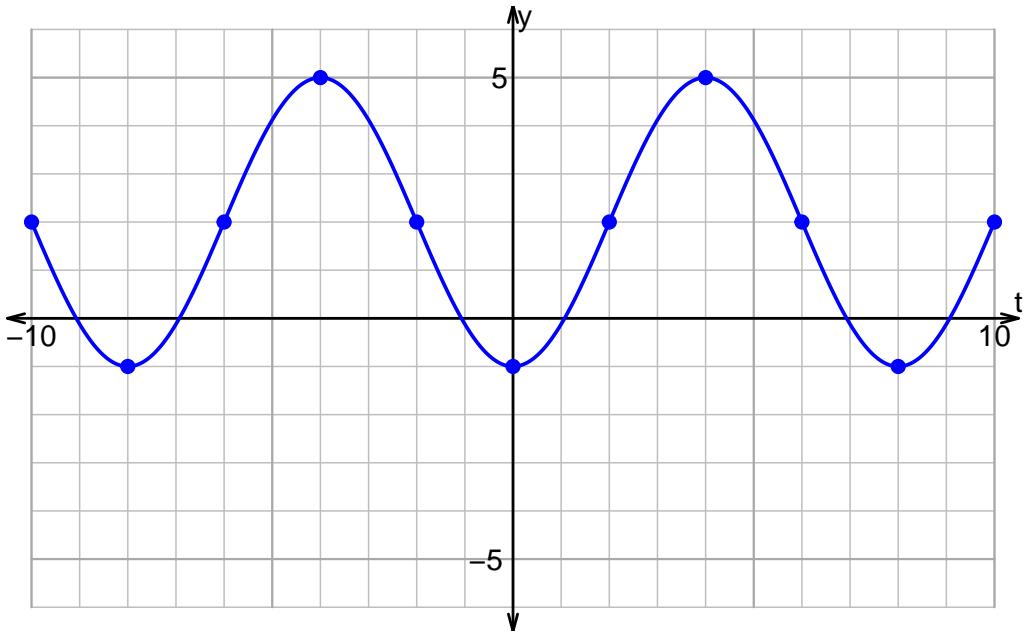
1. Plot $y = -3 \cos\left(\frac{\pi}{4}t\right) + 2$.



2. Plot $y = -2 \sin\left(\frac{\pi}{5}t\right) + 1$.

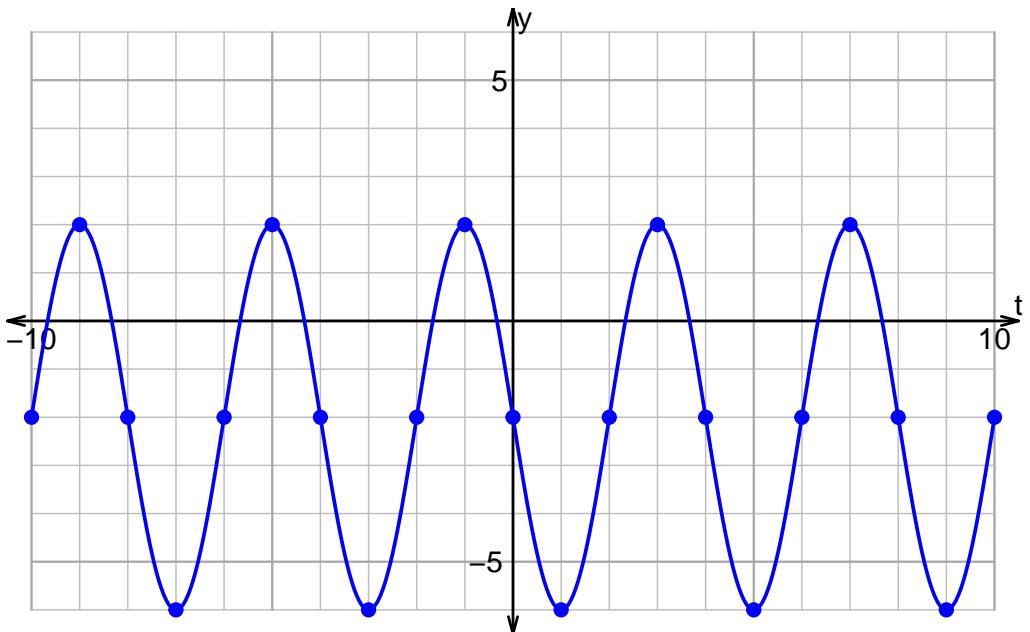


3. Give an equation for the plot below:



$$y = -3 \cos\left(\frac{\pi}{4}t\right) + 2$$

4. Give an equation for the plot below:



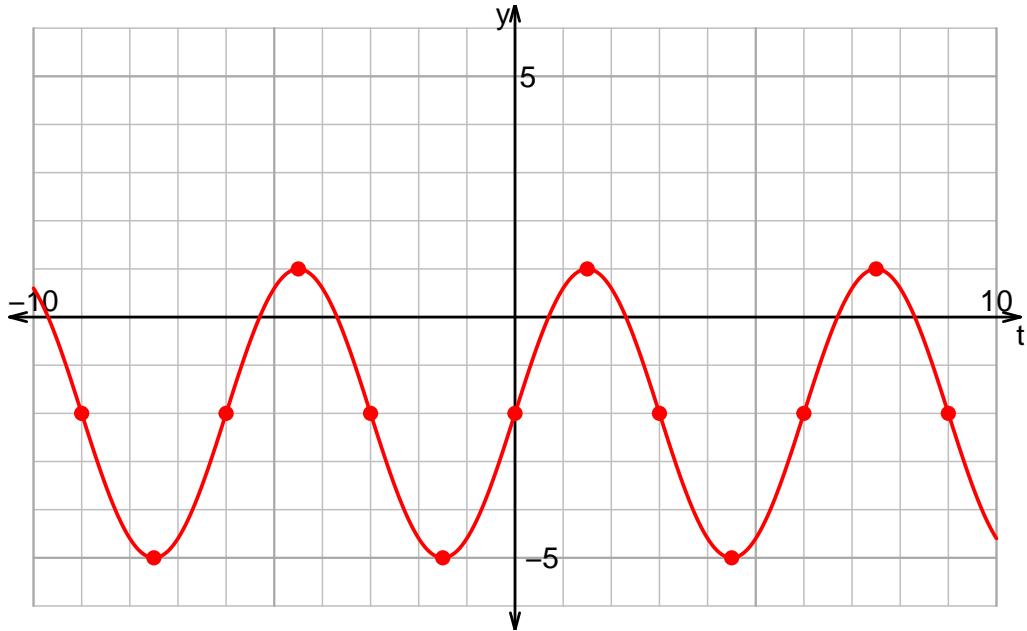
$$y = -4 \sin\left(\frac{\pi}{2}t\right) - 2$$

Name: _____

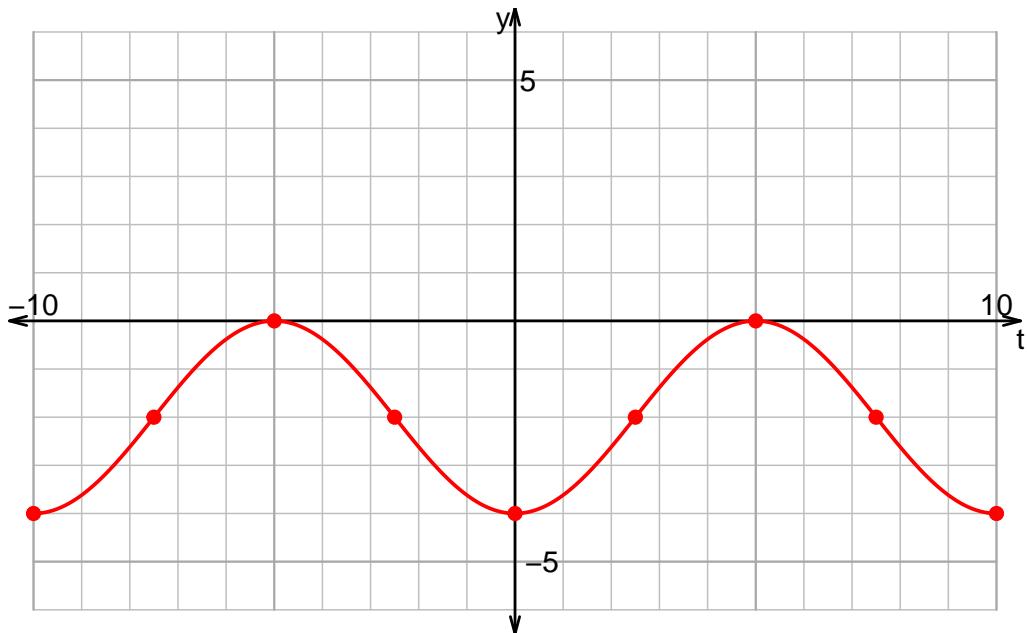
Date: _____

u15ws2: DRAW WAVES (SOLUTION v33)

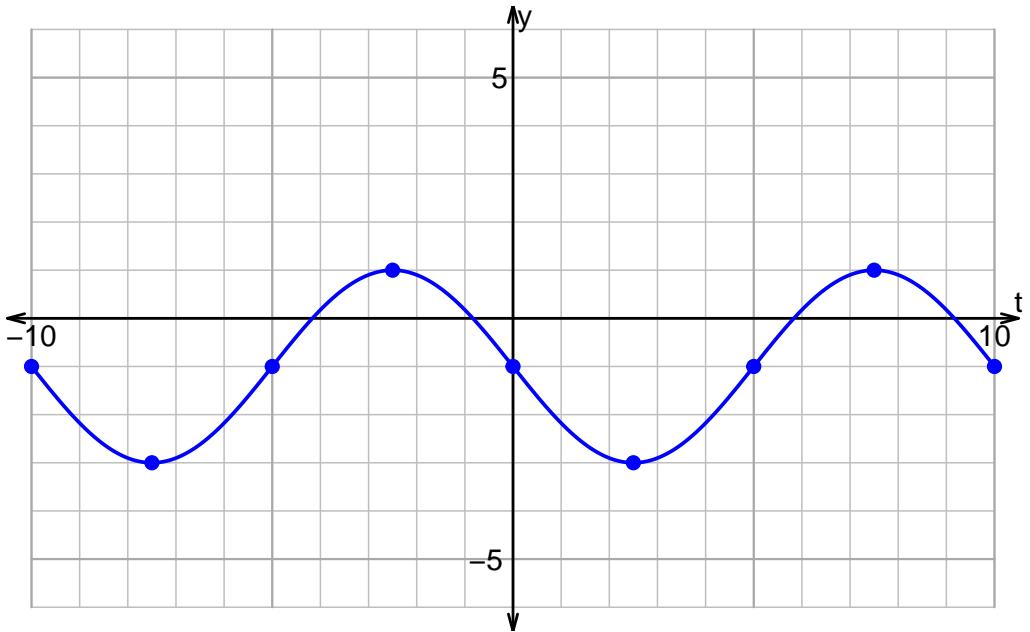
1. Plot $y = 3 \sin\left(\frac{\pi}{3}t\right) - 2$.



2. Plot $y = -2 \cos\left(\frac{\pi}{5}t\right) - 2$.

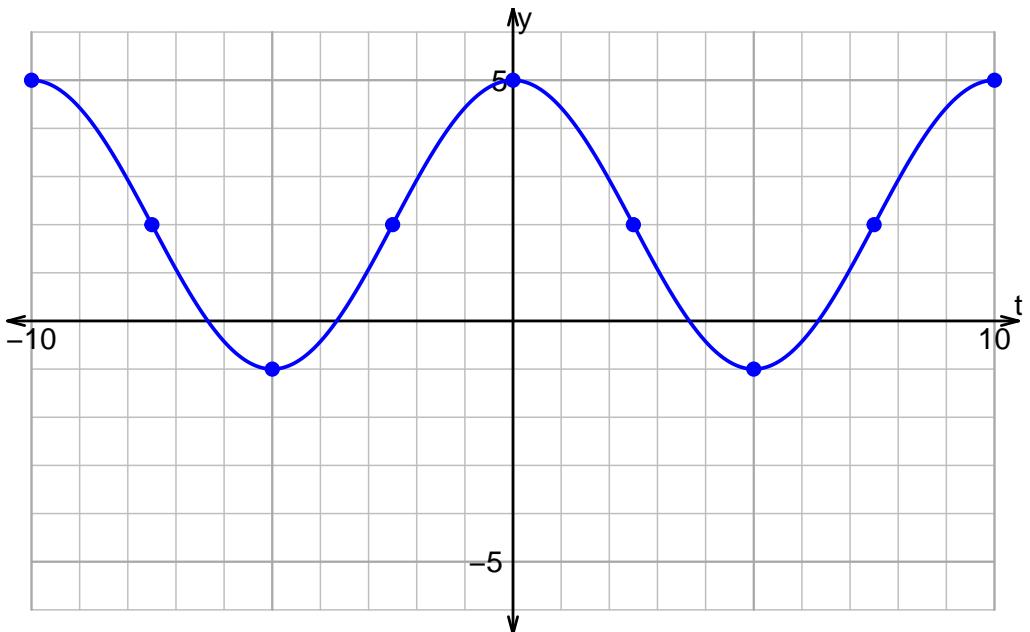


3. Give an equation for the plot below:



$$y = -2 \sin\left(\frac{\pi}{5}t\right) - 1$$

4. Give an equation for the plot below:



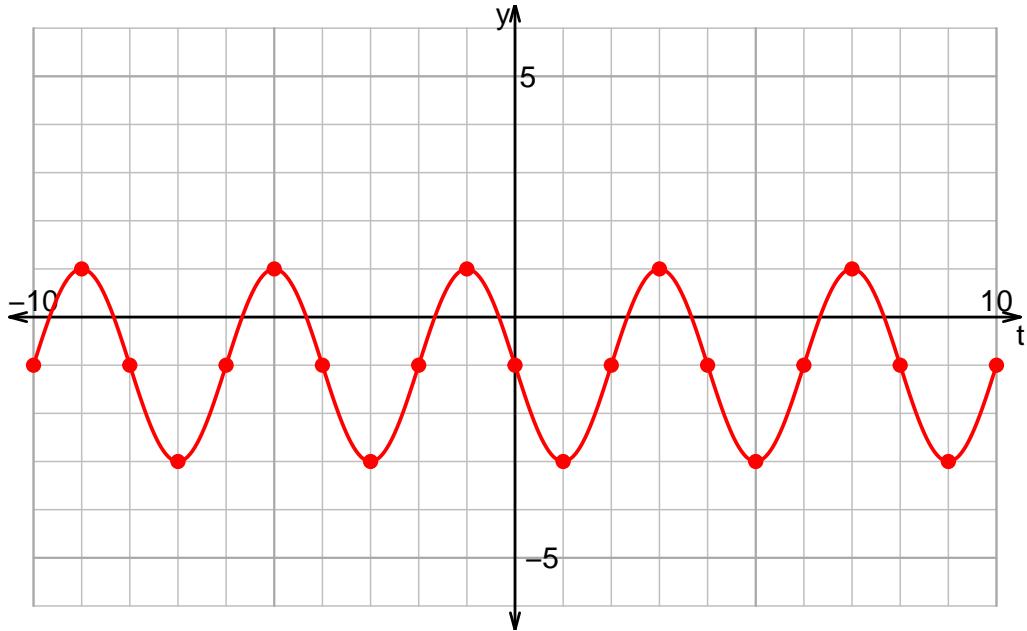
$$y = 3 \cos\left(\frac{\pi}{5}t\right) + 2$$

Name: _____

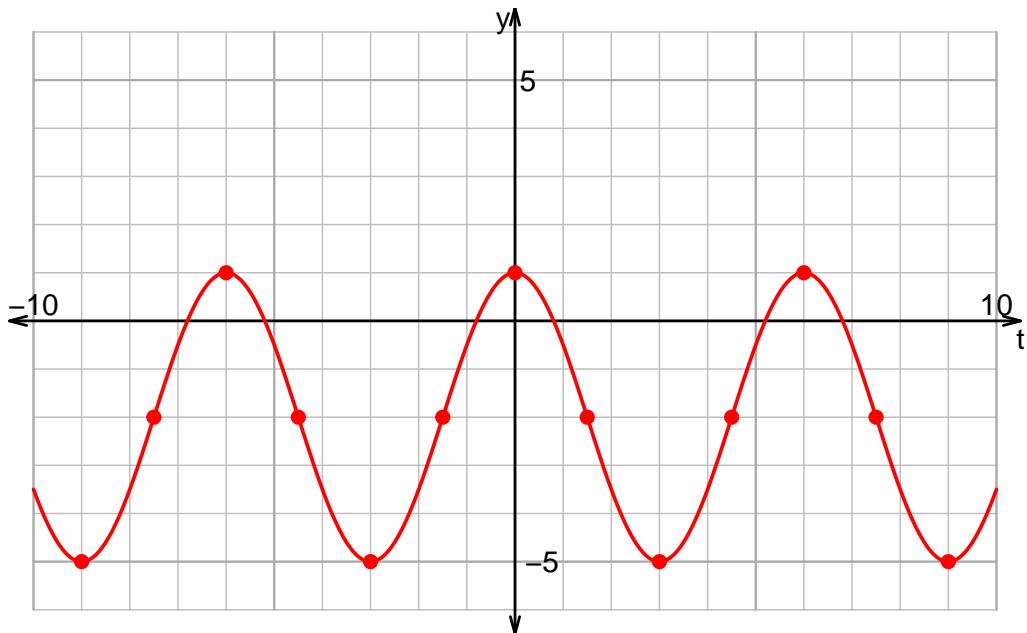
Date: _____

u15ws2: DRAW WAVES (SOLUTION v34)

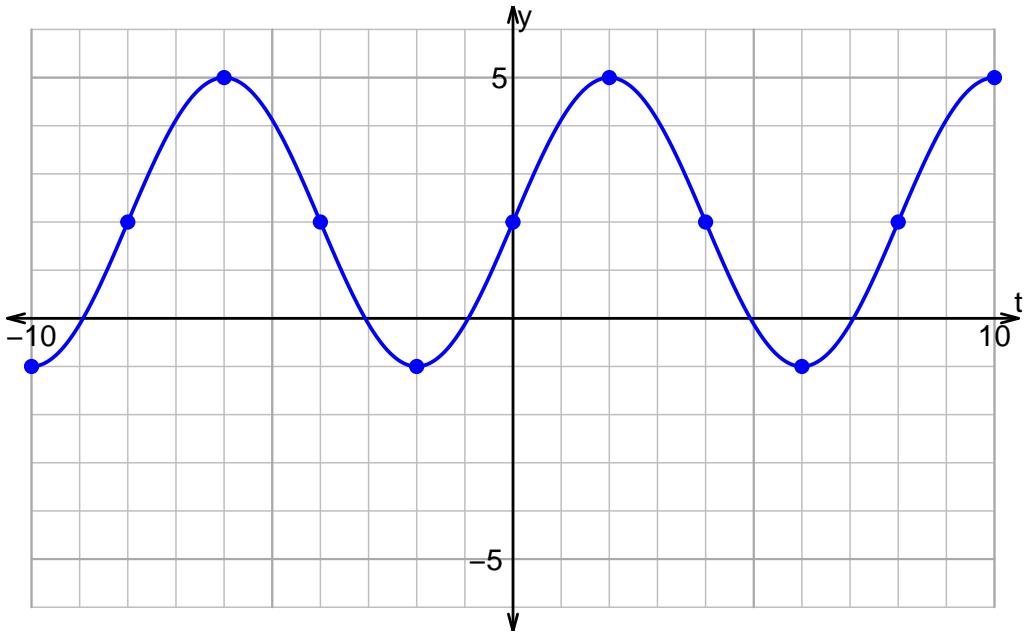
1. Plot $y = -2 \sin\left(\frac{\pi}{2}t\right) - 1$.



2. Plot $y = 3 \cos\left(\frac{\pi}{3}t\right) - 2$.

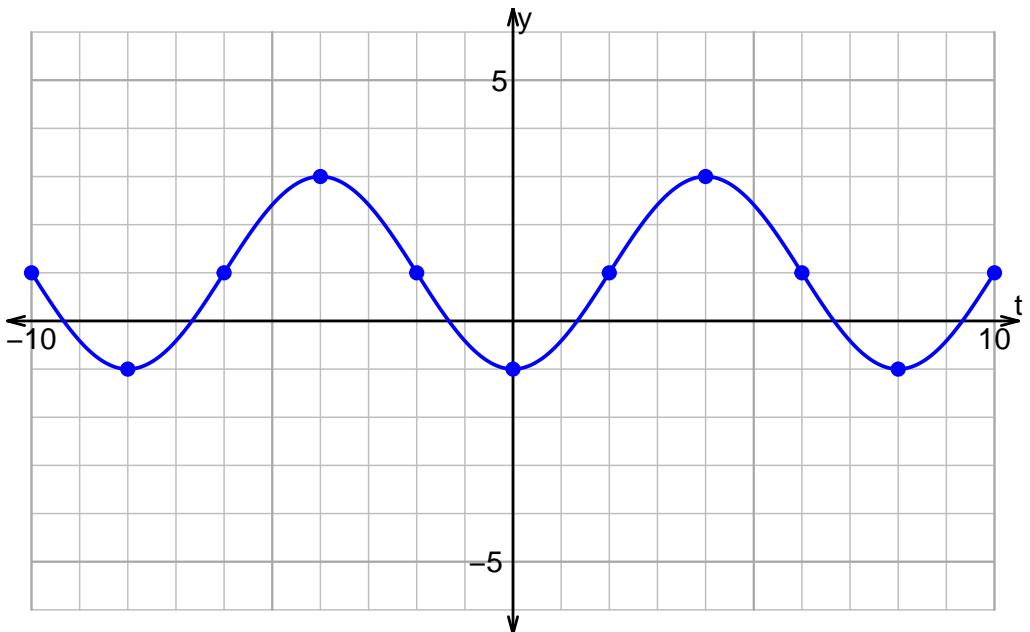


3. Give an equation for the plot below:



$$y = 3 \sin\left(\frac{\pi}{4}t\right) + 2$$

4. Give an equation for the plot below:



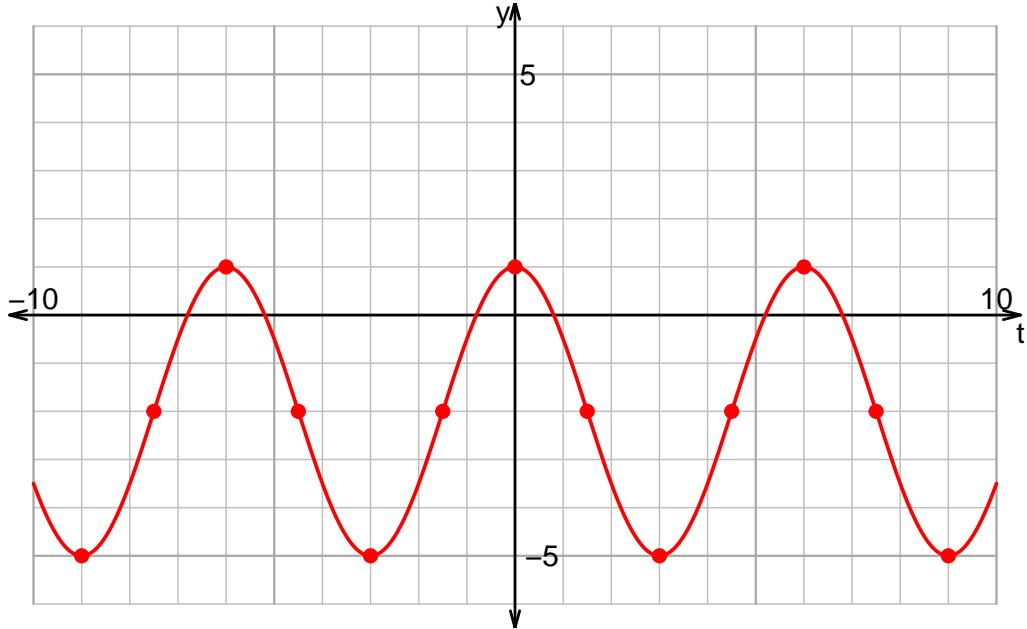
$$y = -2 \cos\left(\frac{\pi}{4}t\right) + 1$$

Name: _____

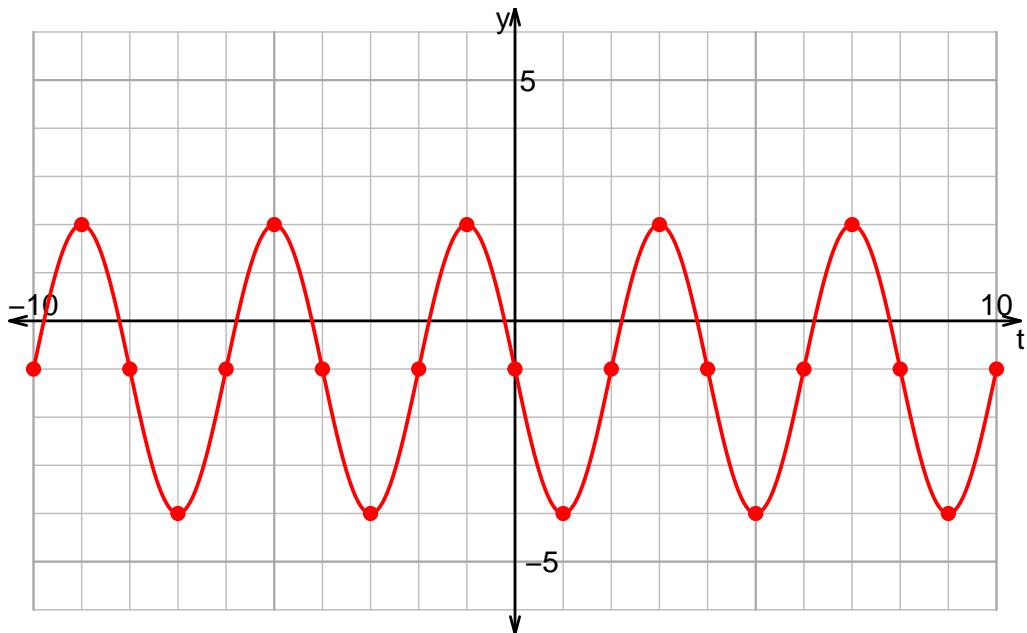
Date: _____

u15ws2: DRAW WAVES (SOLUTION v35)

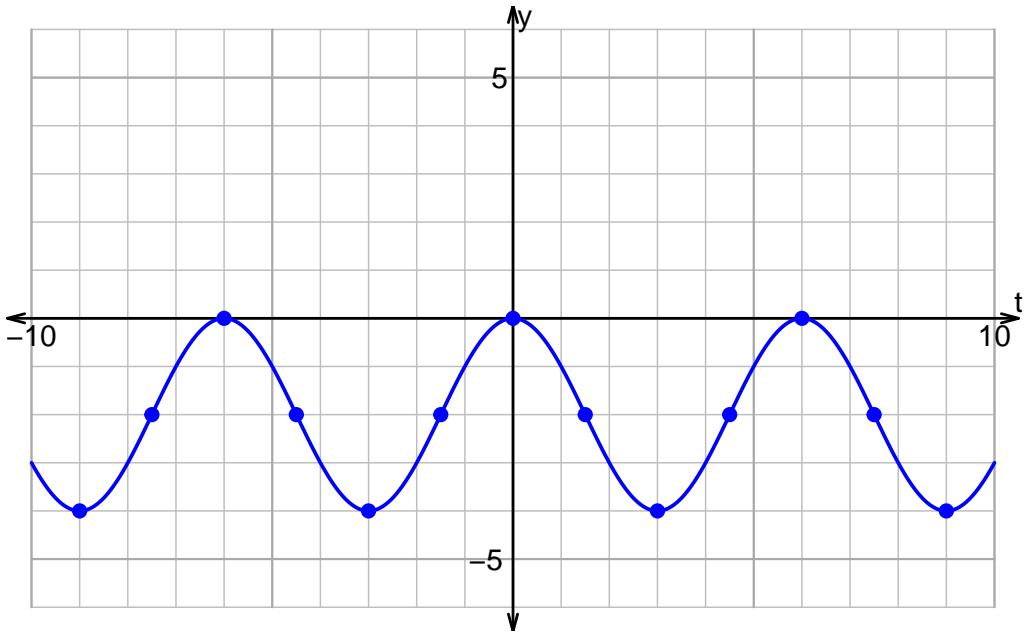
1. Plot $y = 3 \cos\left(\frac{\pi}{3}t\right) - 2$.



2. Plot $y = -3 \sin\left(\frac{\pi}{2}t\right) - 1$.

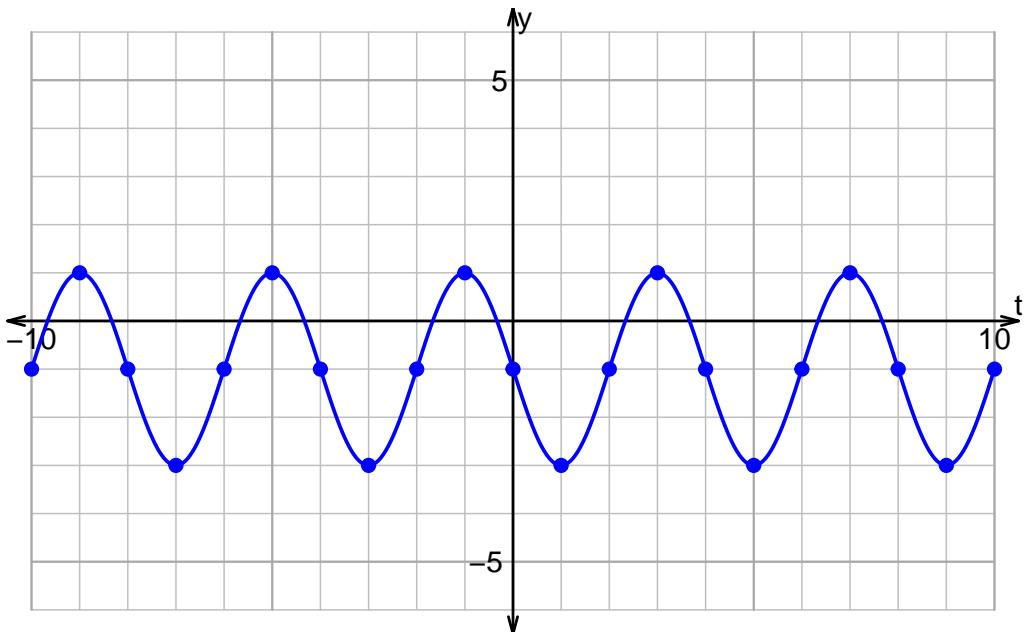


3. Give an equation for the plot below:



$$y = 2 \cos\left(\frac{\pi}{3}t\right) - 2$$

4. Give an equation for the plot below:



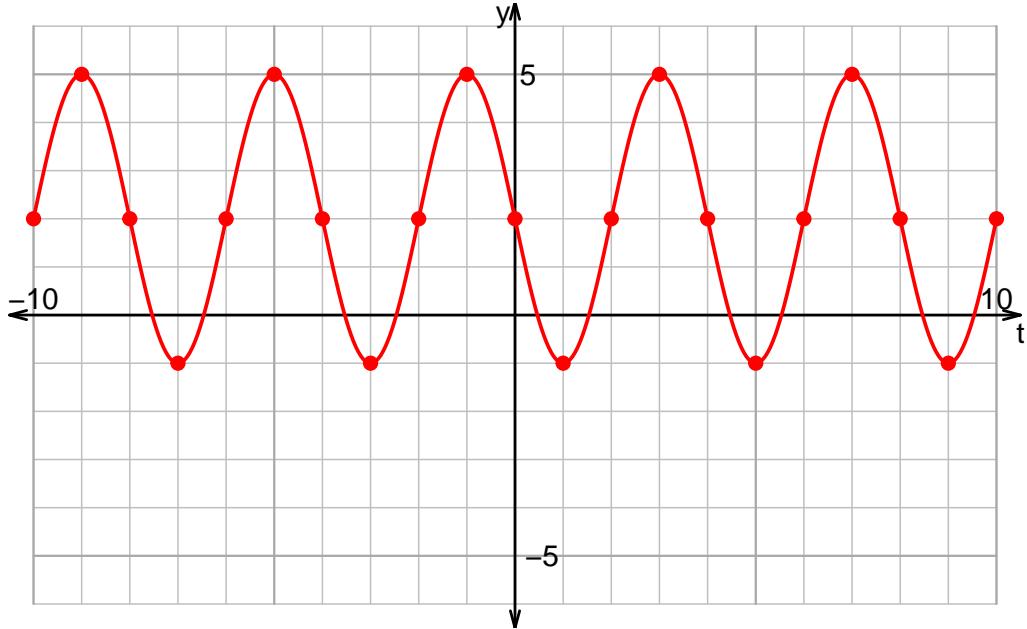
$$y = -2 \sin\left(\frac{\pi}{2}t\right) - 1$$

Name: _____

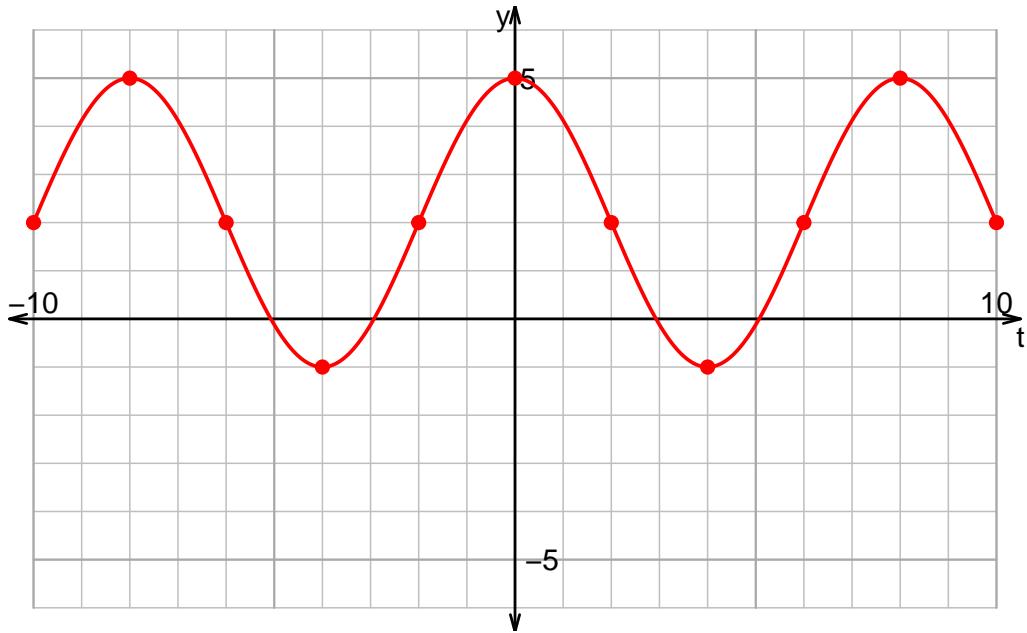
Date: _____

u15ws2: DRAW WAVES (SOLUTION v36)

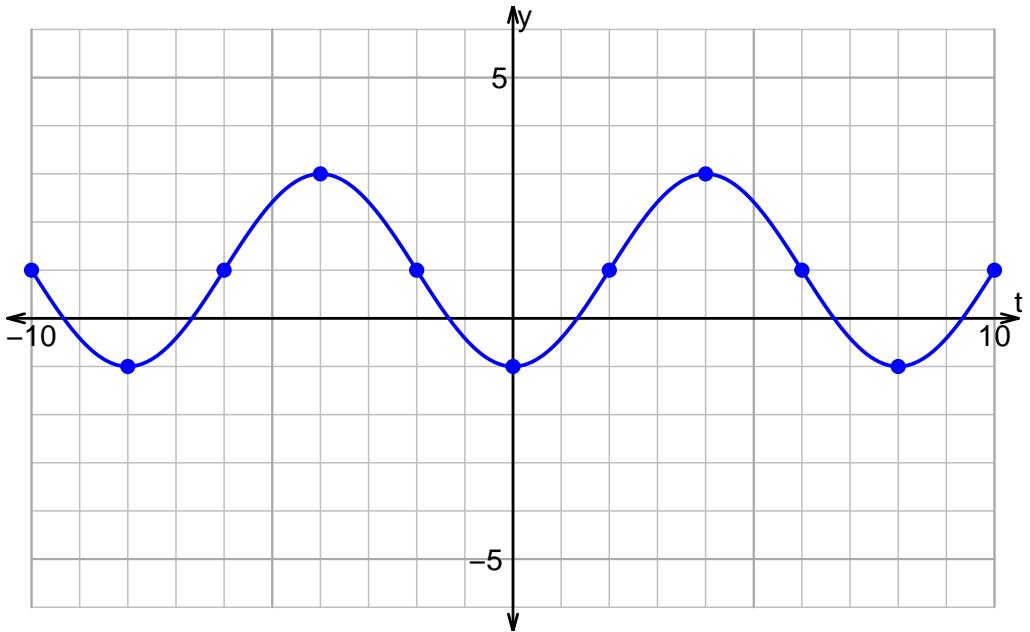
1. Plot $y = -3 \sin\left(\frac{\pi}{2}t\right) + 2$.



2. Plot $y = 3 \cos\left(\frac{\pi}{4}t\right) + 2$.

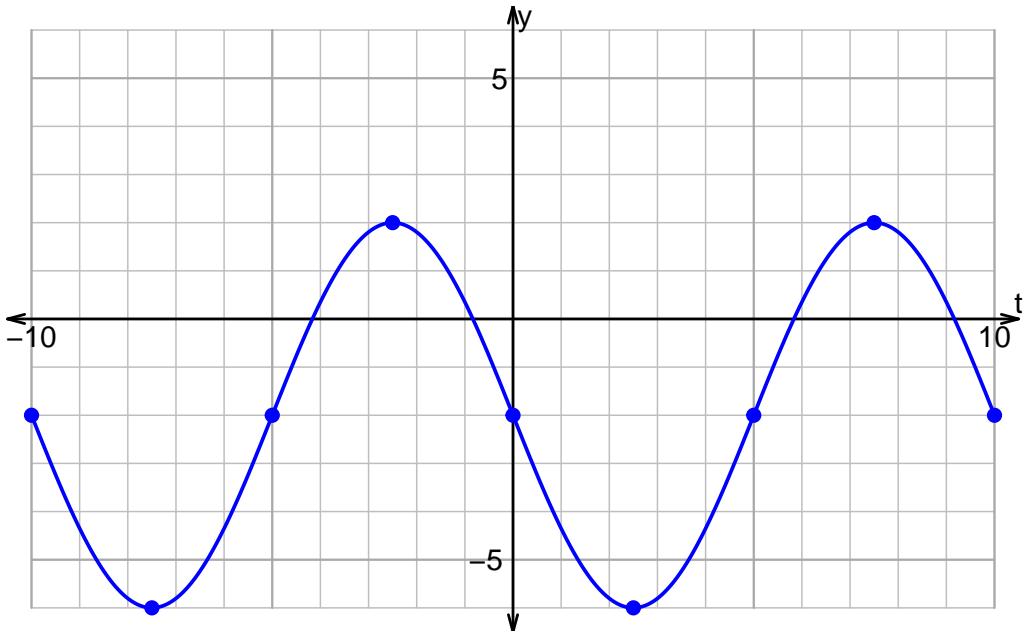


3. Give an equation for the plot below:



$$y = -2 \cos\left(\frac{\pi}{4}t\right) + 1$$

4. Give an equation for the plot below:



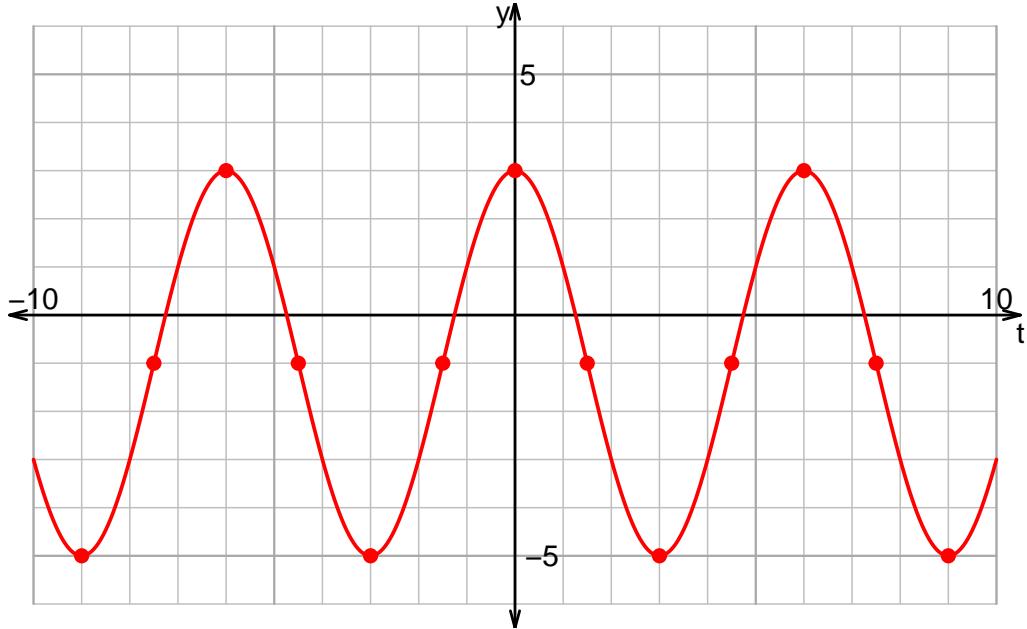
$$y = -4 \sin\left(\frac{\pi}{5}t\right) - 2$$

Name: _____

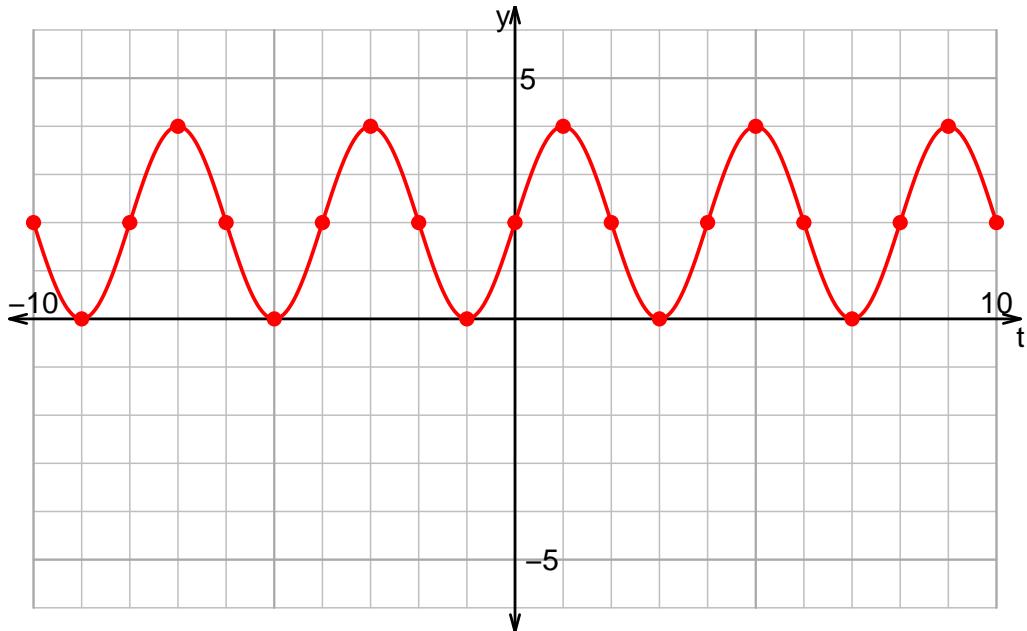
Date: _____

u15ws2: DRAW WAVES (SOLUTION v37)

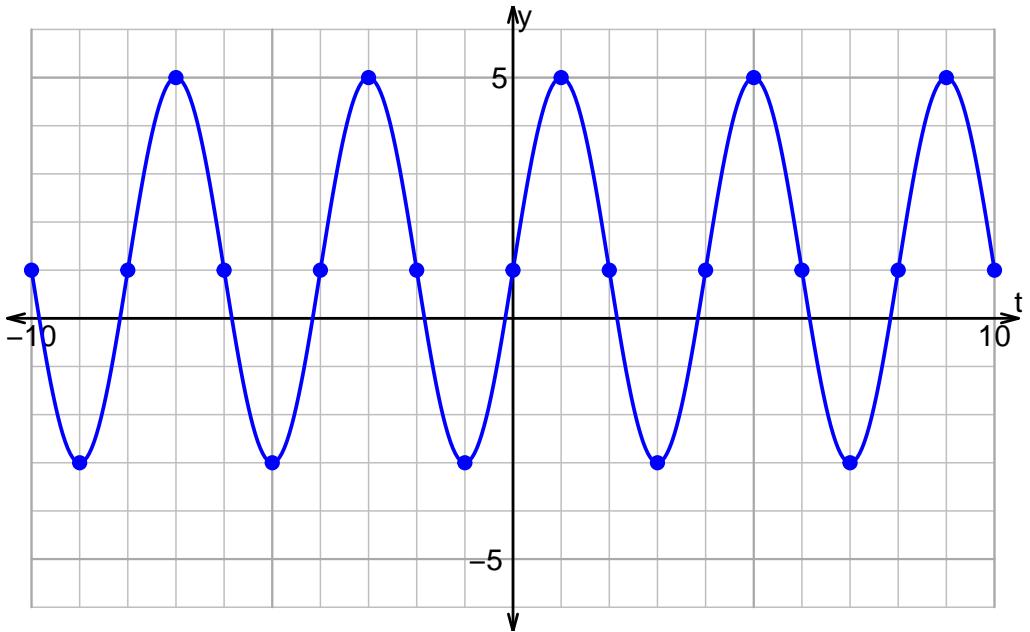
1. Plot $y = 4 \cos\left(\frac{\pi}{3}t\right) - 1$.



2. Plot $y = 2 \sin\left(\frac{\pi}{2}t\right) + 2$.

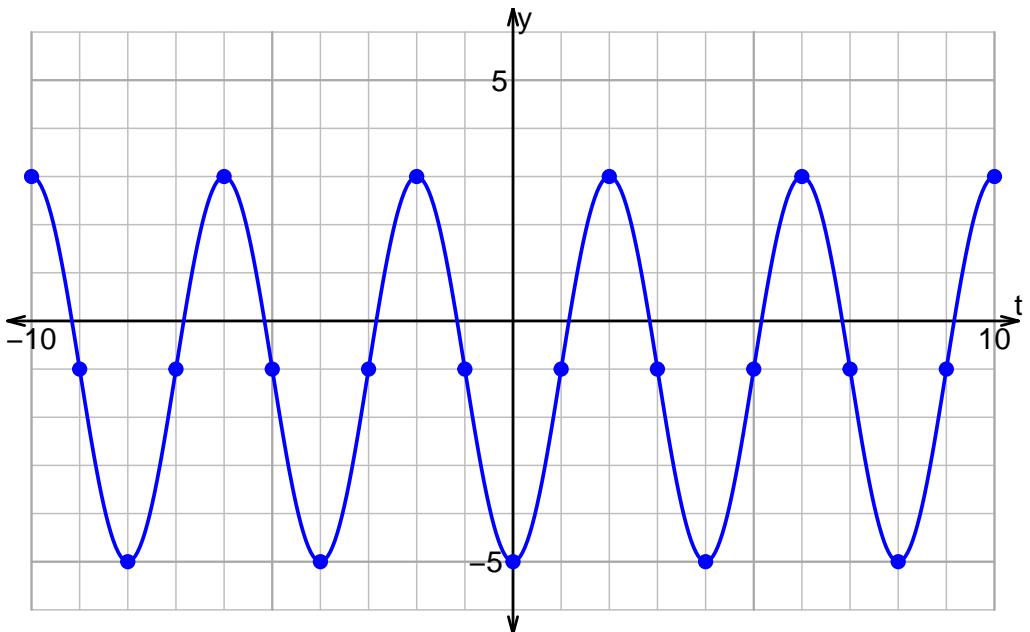


3. Give an equation for the plot below:



$$y = 4 \sin\left(\frac{\pi}{2}t\right) + 1$$

4. Give an equation for the plot below:



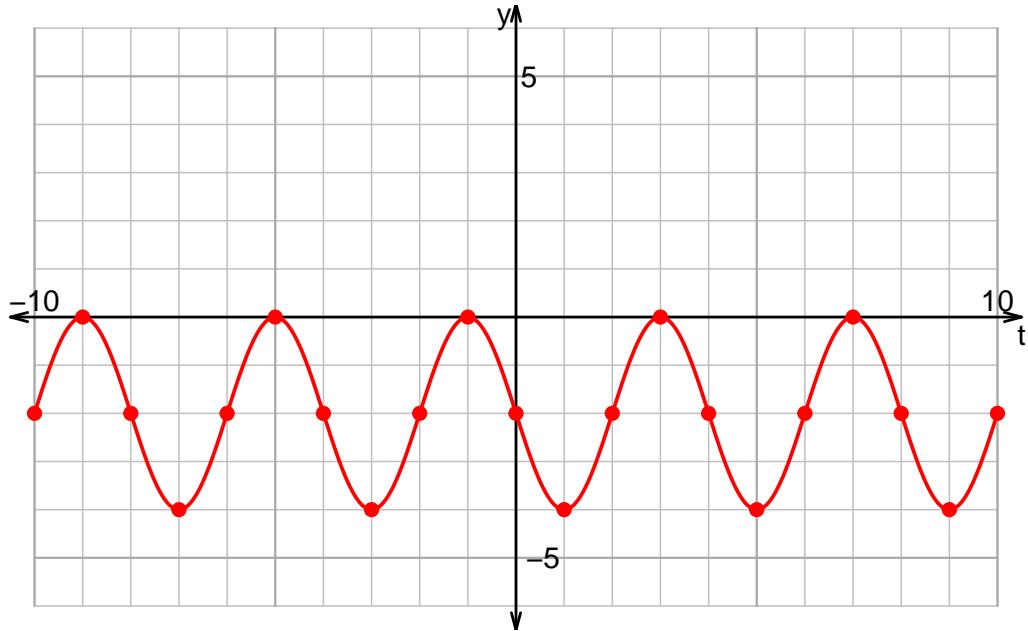
$$y = -4 \cos\left(\frac{\pi}{2}t\right) - 1$$

Name: _____

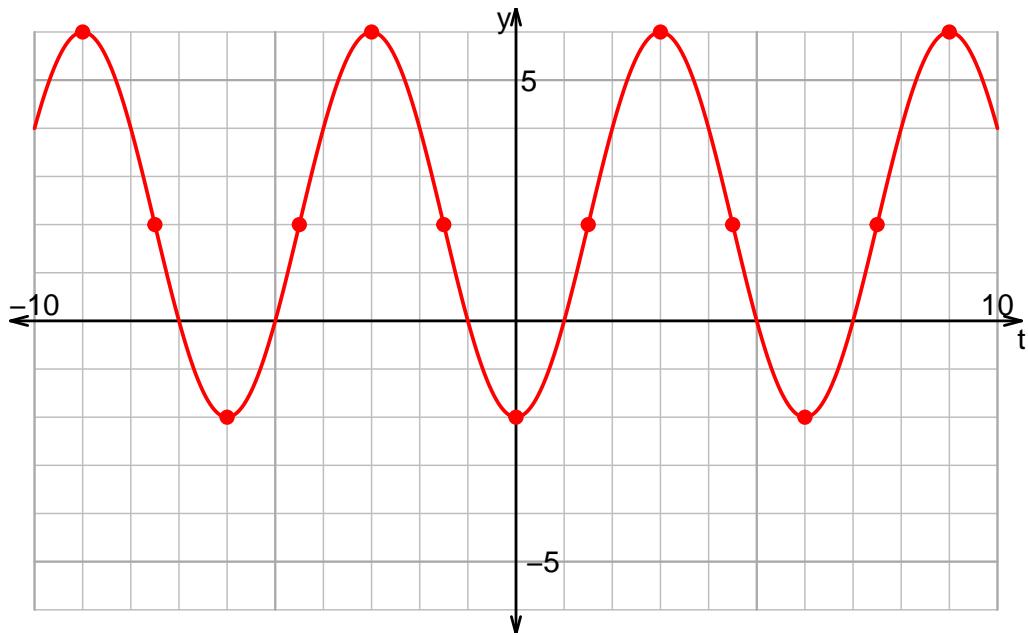
Date: _____

u15ws2: DRAW WAVES (SOLUTION v38)

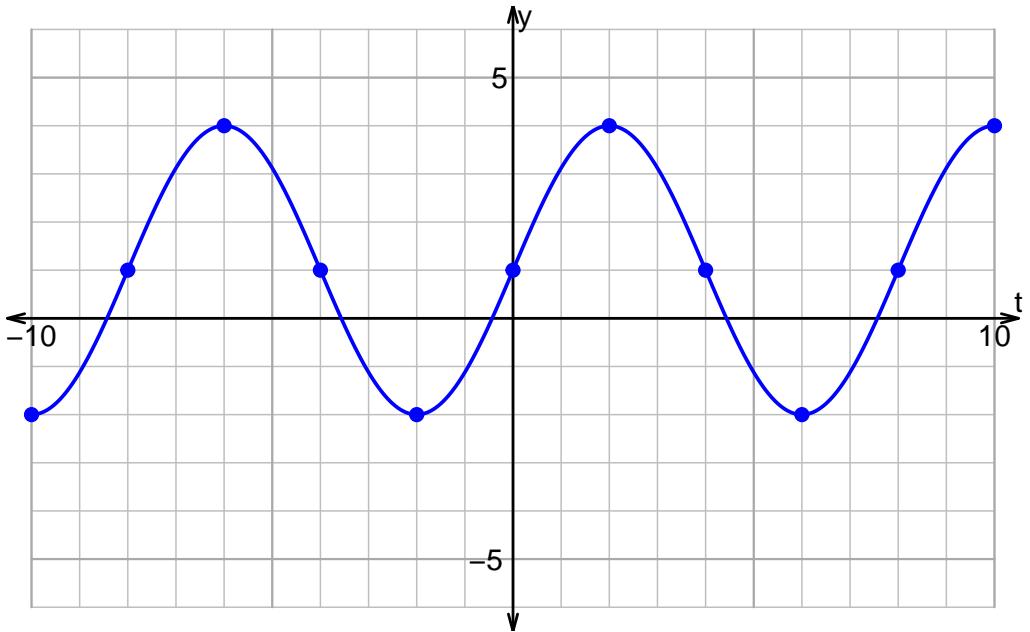
1. Plot $y = -2 \sin\left(\frac{\pi}{2}t\right) - 2$.



2. Plot $y = -4 \cos\left(\frac{\pi}{3}t\right) + 2$.

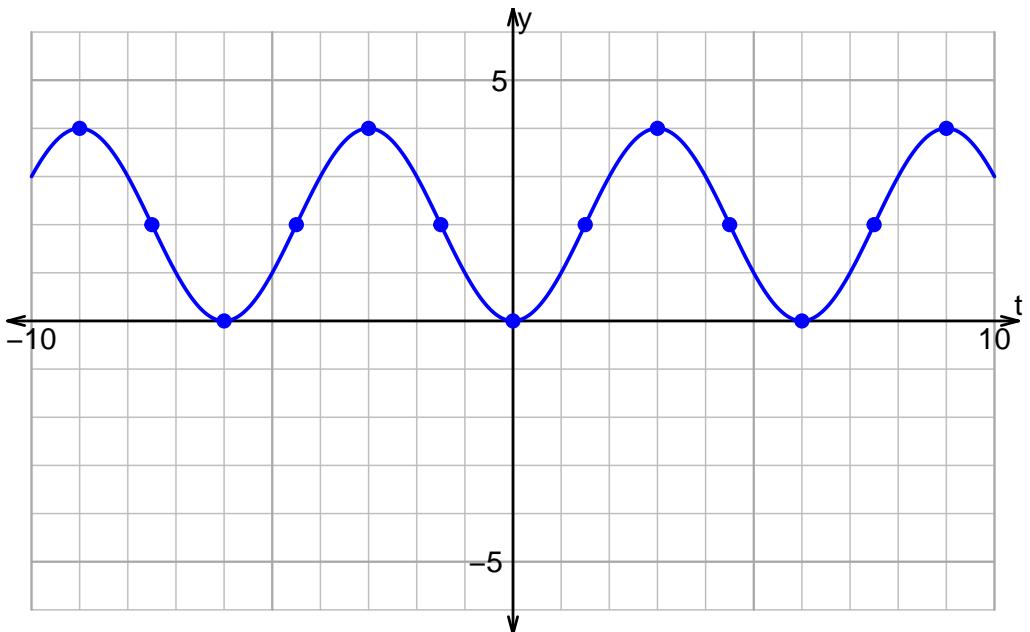


3. Give an equation for the plot below:



$$y = 3 \sin\left(\frac{\pi}{4}t\right) + 1$$

4. Give an equation for the plot below:



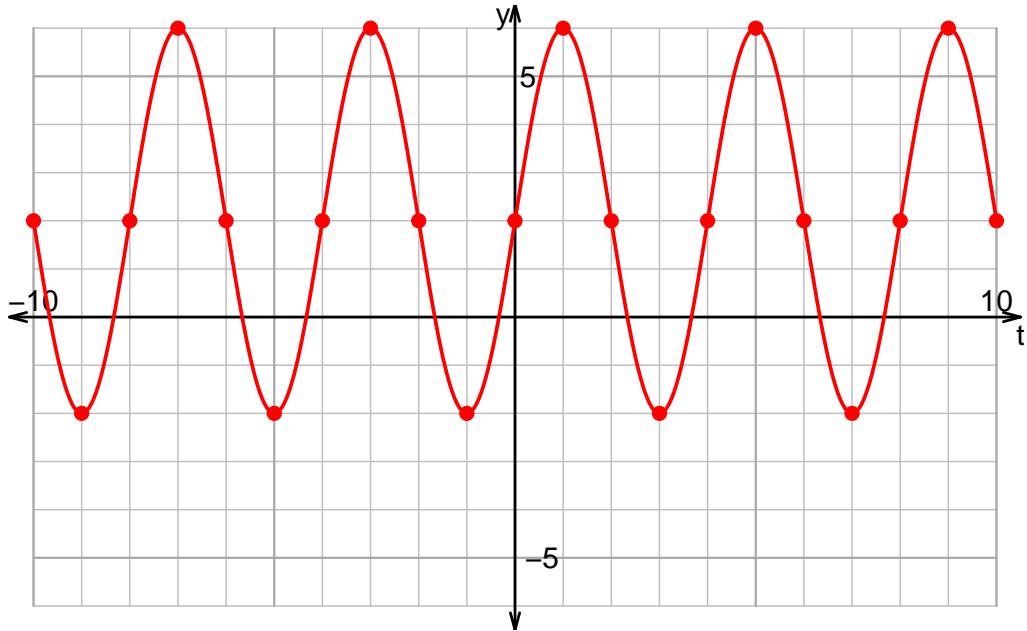
$$y = -2 \cos\left(\frac{\pi}{3}t\right) + 2$$

Name: _____

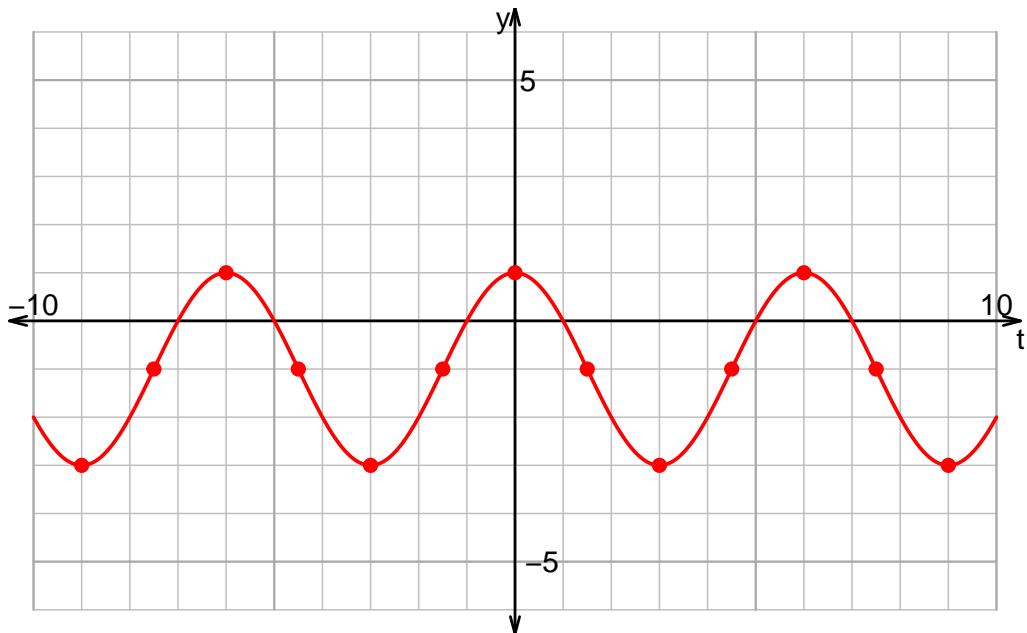
Date: _____

u15ws2: DRAW WAVES (SOLUTION v39)

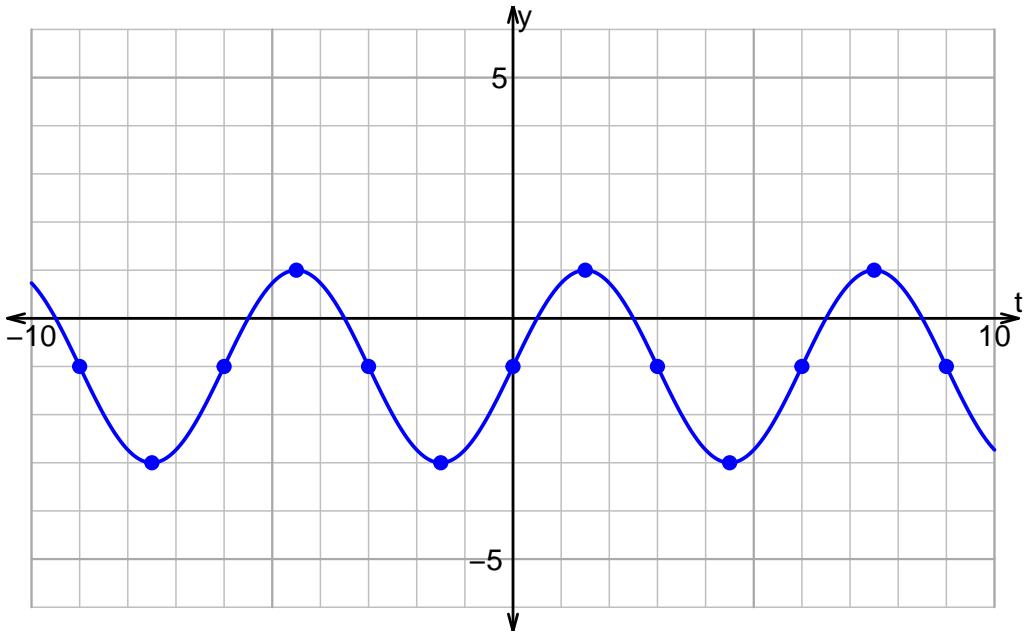
1. Plot $y = 4 \sin\left(\frac{\pi}{2}t\right) + 2$.



2. Plot $y = 2 \cos\left(\frac{\pi}{3}t\right) - 1$.

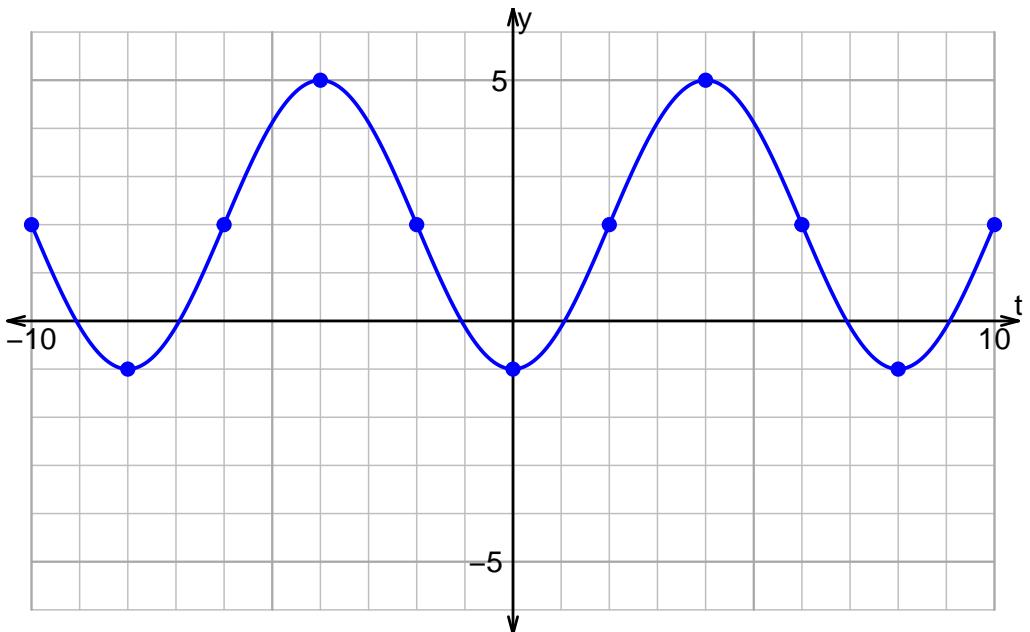


3. Give an equation for the plot below:



$$y = 2 \sin\left(\frac{\pi}{3}t\right) - 1$$

4. Give an equation for the plot below:



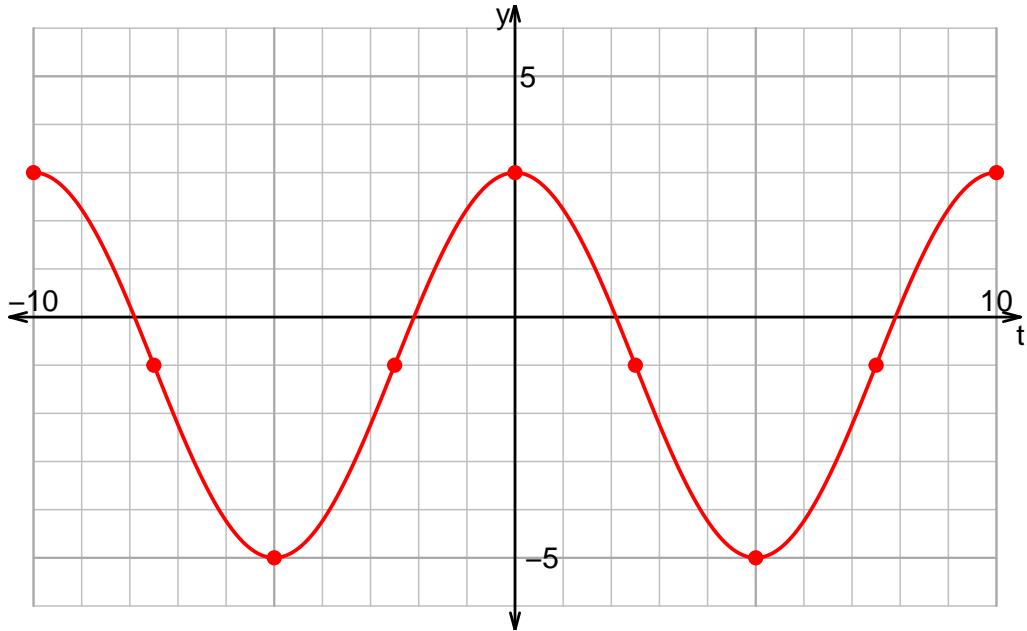
$$y = -3 \cos\left(\frac{\pi}{4}t\right) + 2$$

Name: _____

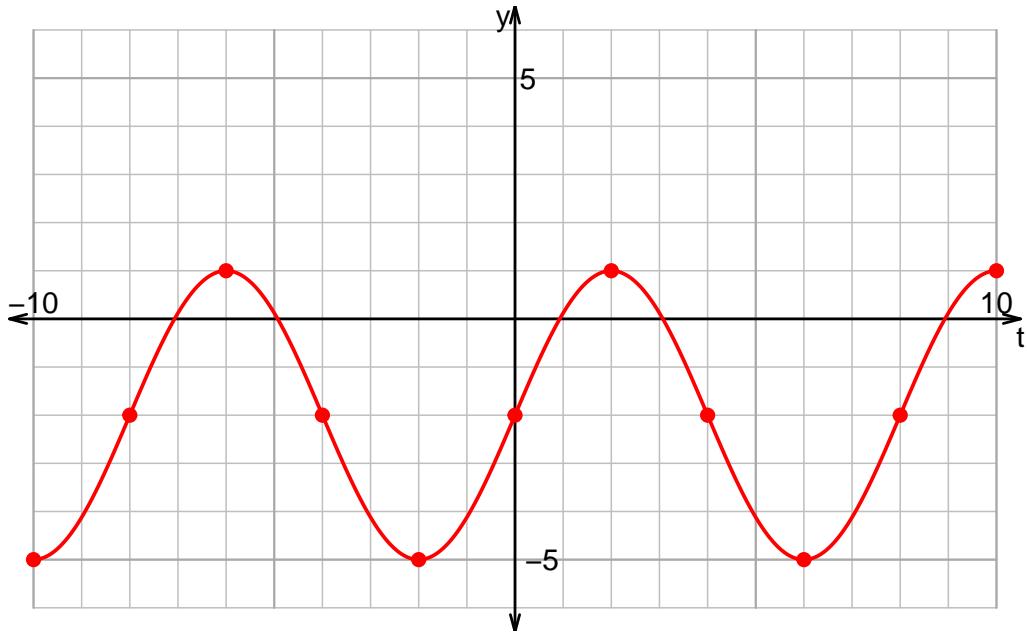
Date: _____

u15ws2: DRAW WAVES (SOLUTION v40)

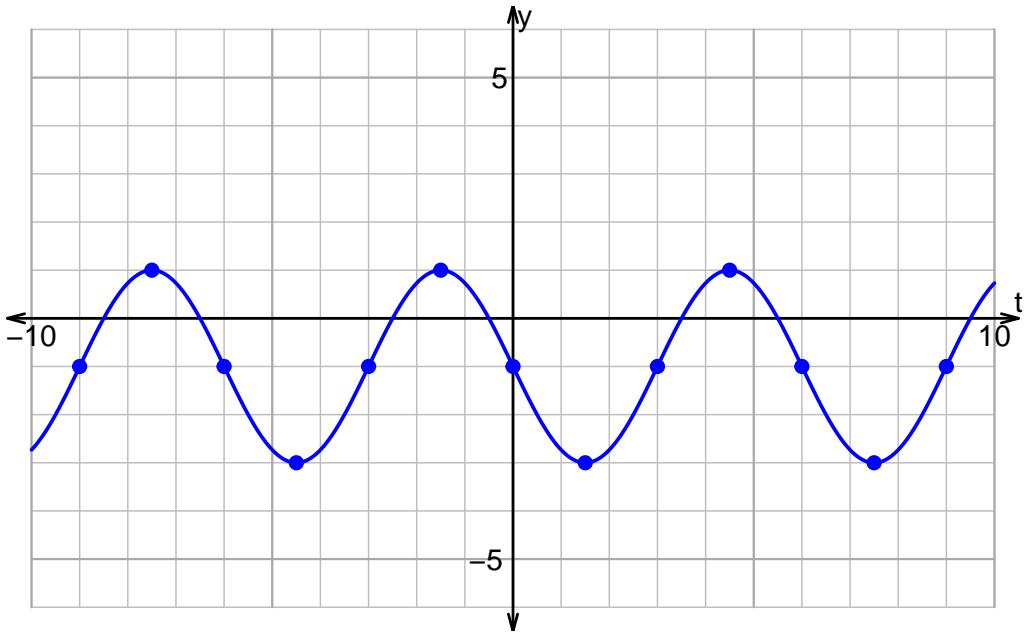
1. Plot $y = 4 \cos\left(\frac{\pi}{5}t\right) - 1$.



2. Plot $y = 3 \sin\left(\frac{\pi}{4}t\right) - 2$.

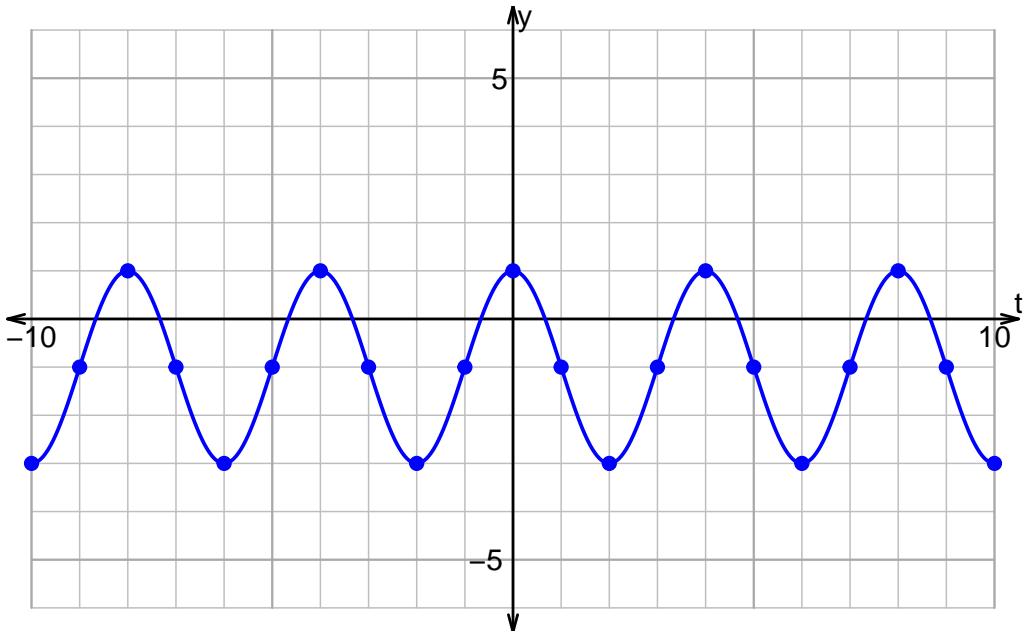


3. Give an equation for the plot below:



$$y = -2 \sin\left(\frac{\pi}{3}t\right) - 1$$

4. Give an equation for the plot below:



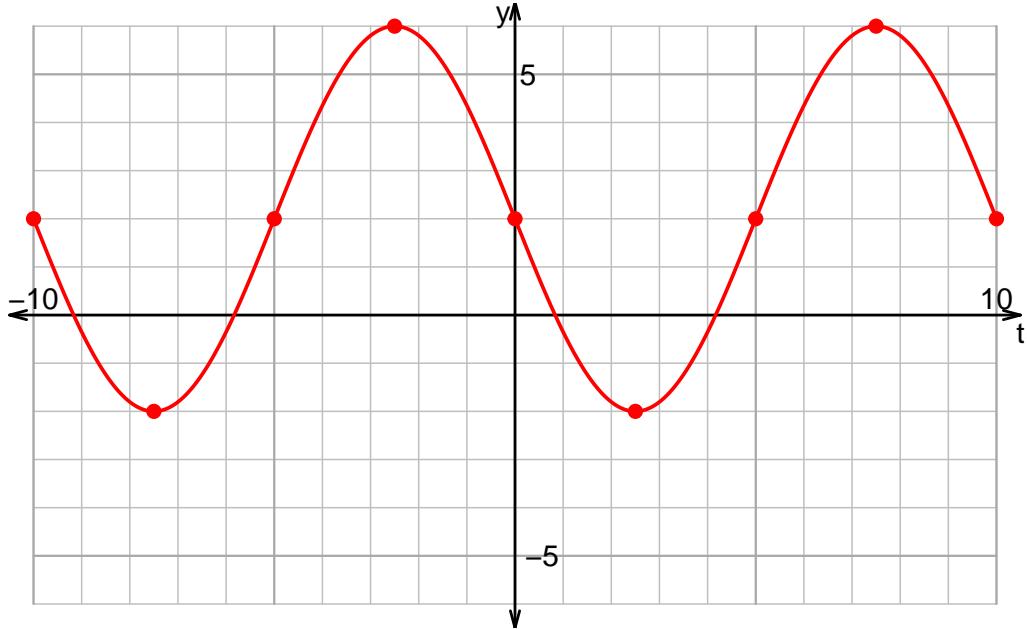
$$y = 2 \cos\left(\frac{\pi}{2}t\right) - 1$$

Name: _____

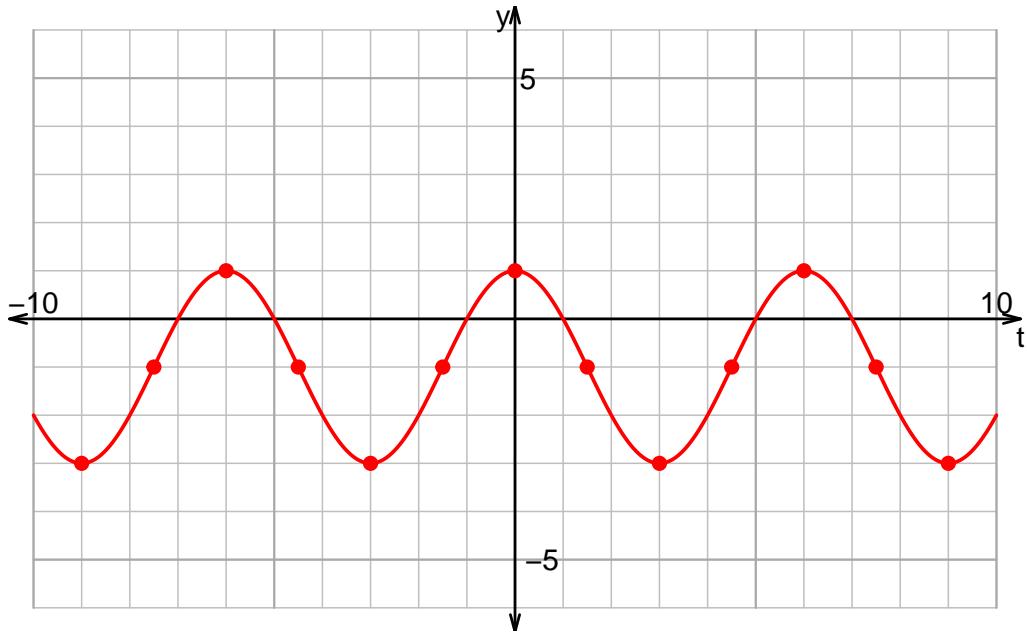
Date: _____

u15ws2: DRAW WAVES (SOLUTION v41)

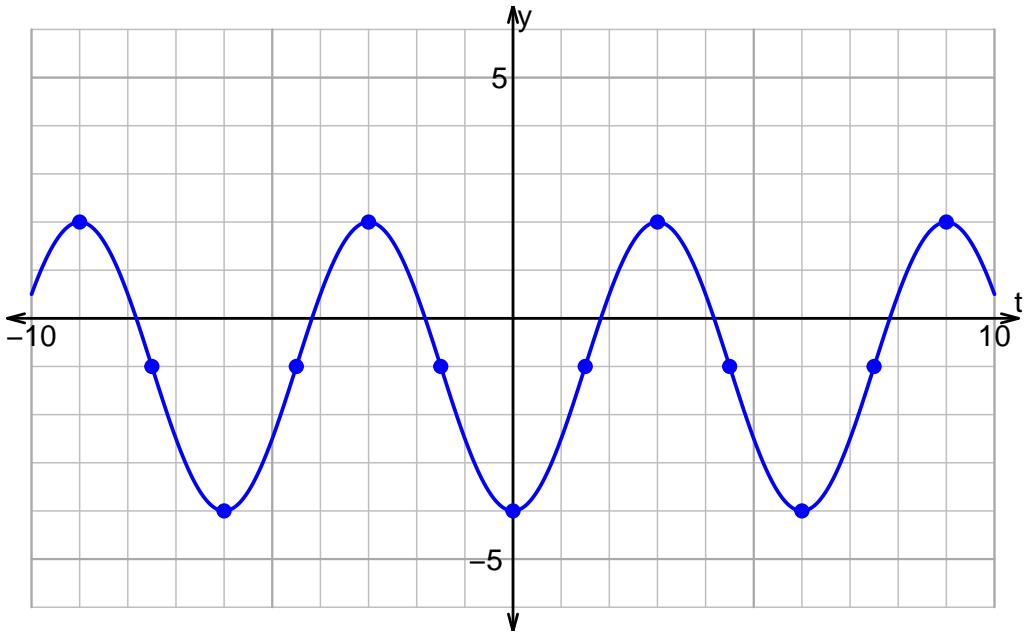
1. Plot $y = -4 \sin\left(\frac{\pi}{5}t\right) + 2$.



2. Plot $y = 2 \cos\left(\frac{\pi}{3}t\right) - 1$.

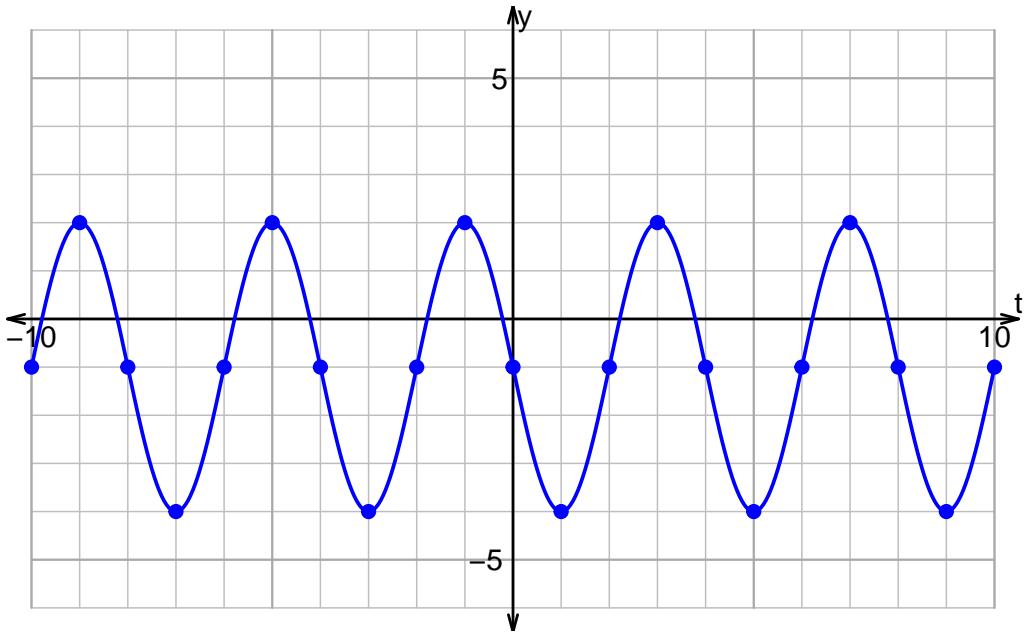


3. Give an equation for the plot below:



$$y = -3 \cos\left(\frac{\pi}{3}t\right) - 1$$

4. Give an equation for the plot below:



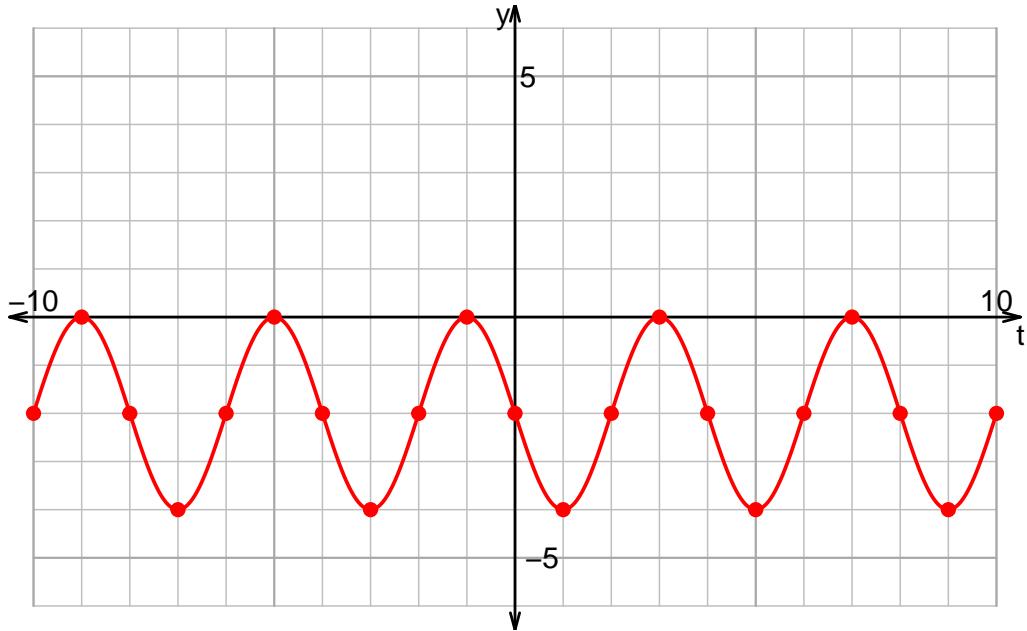
$$y = -3 \sin\left(\frac{\pi}{2}t\right) - 1$$

Name: _____

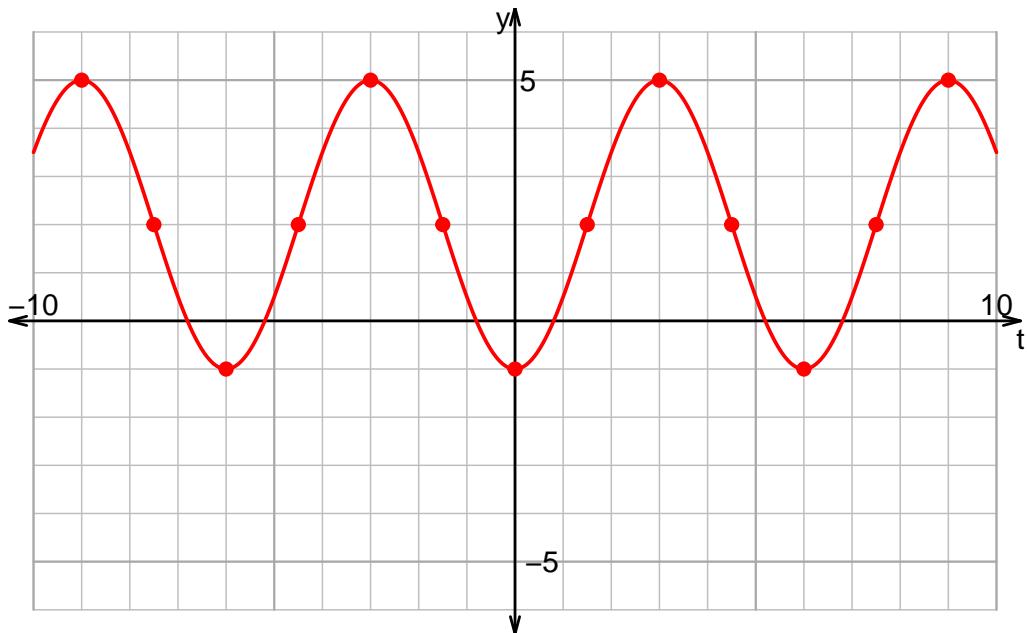
Date: _____

u15ws2: DRAW WAVES (SOLUTION v42)

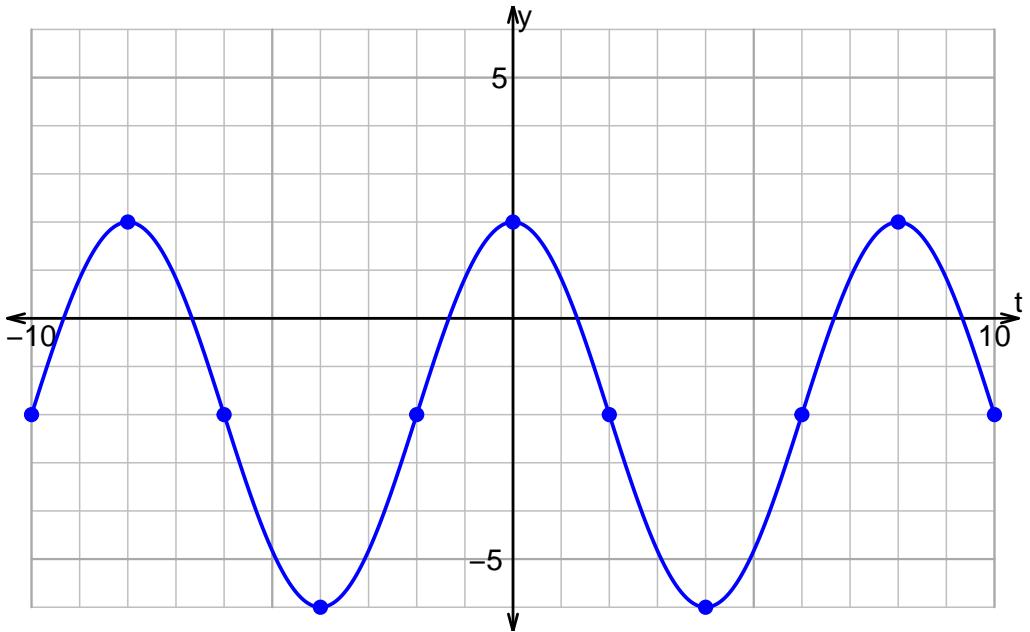
1. Plot $y = -2 \sin\left(\frac{\pi}{2}t\right) - 2$.



2. Plot $y = -3 \cos\left(\frac{\pi}{3}t\right) + 2$.

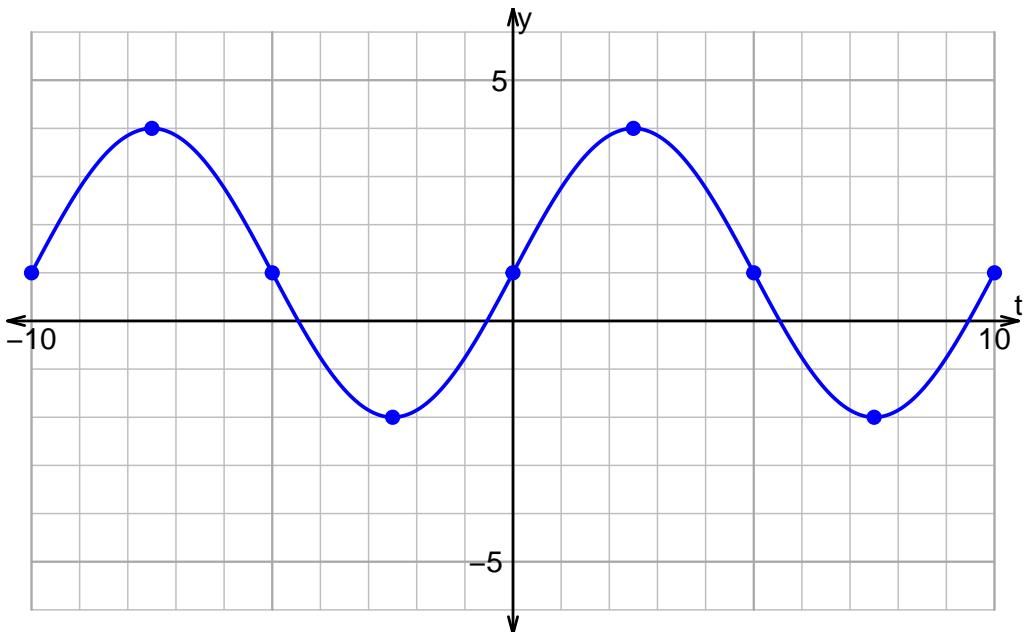


3. Give an equation for the plot below:



$$y = 4 \cos\left(\frac{\pi}{4}t\right) - 2$$

4. Give an equation for the plot below:



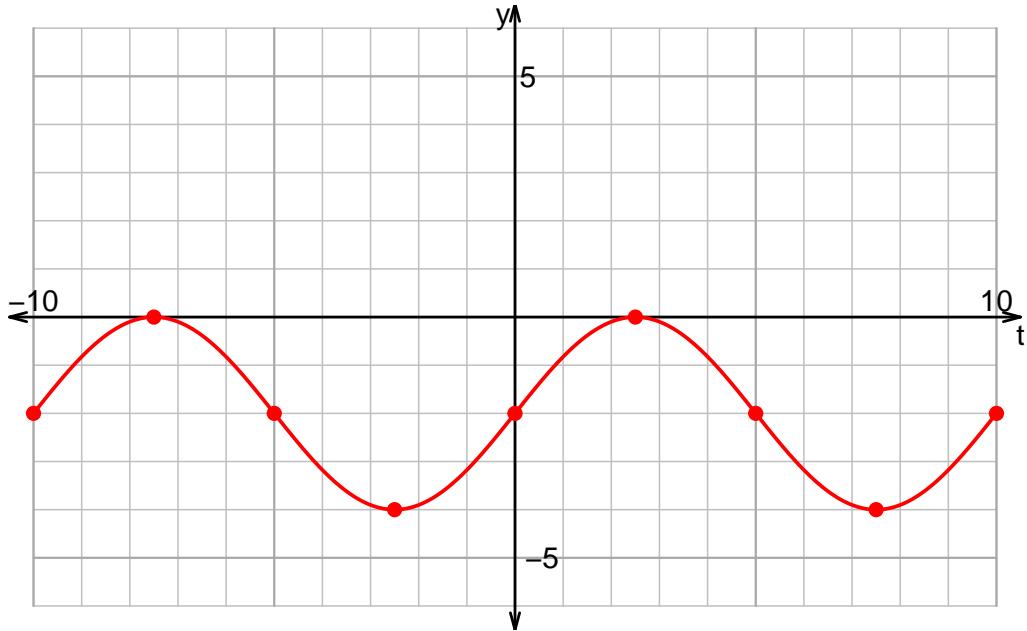
$$y = 3 \sin\left(\frac{\pi}{5}t\right) + 1$$

Name: _____

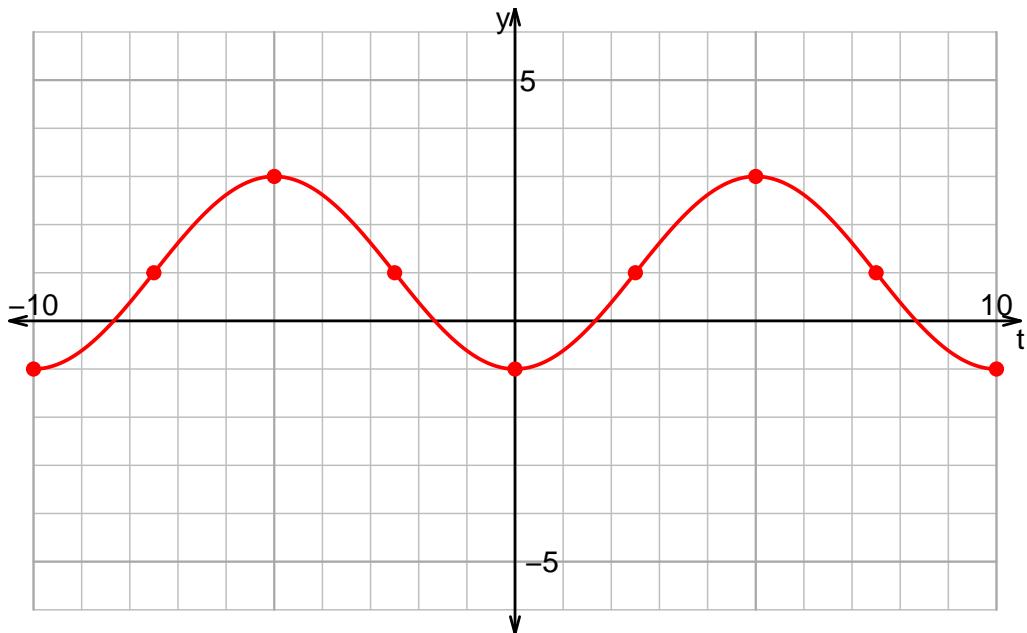
Date: _____

u15ws2: DRAW WAVES (SOLUTION v43)

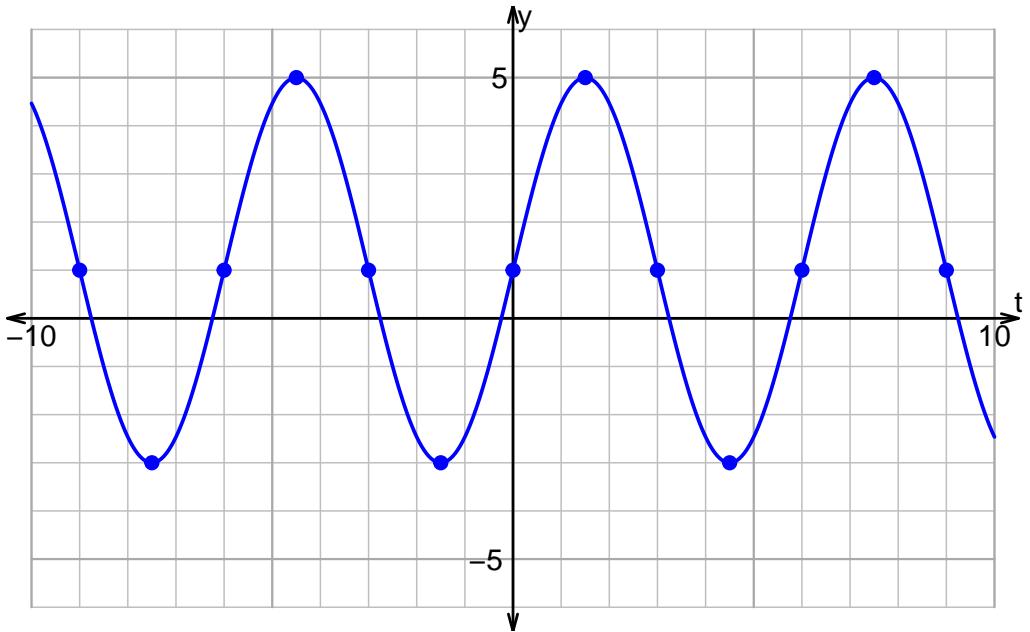
1. Plot $y = 2 \sin\left(\frac{\pi}{5}t\right) - 2$.



2. Plot $y = -2 \cos\left(\frac{\pi}{5}t\right) + 1$.

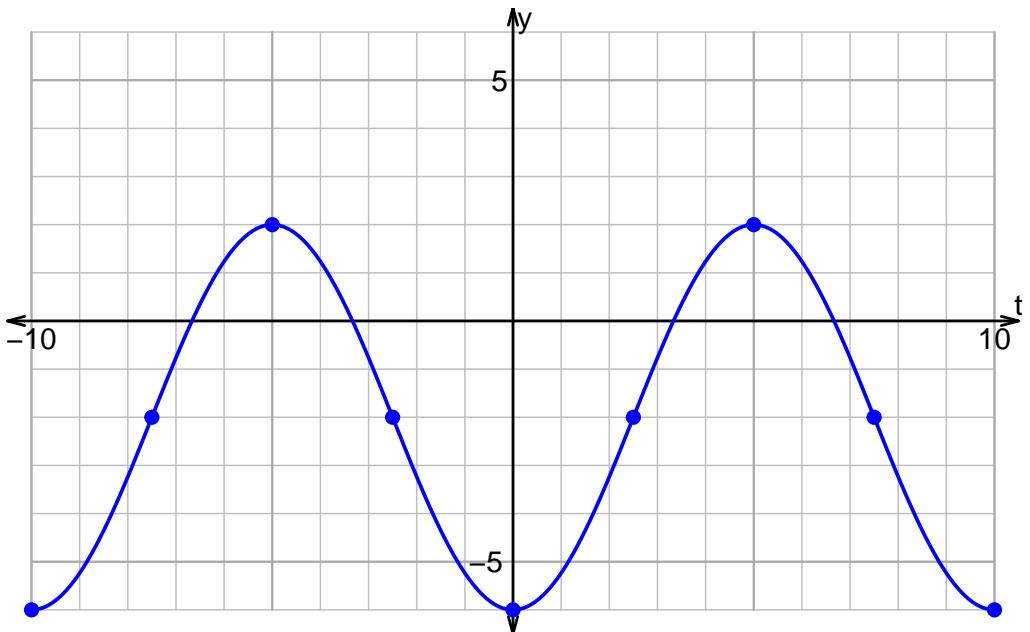


3. Give an equation for the plot below:



$$y = 4 \sin\left(\frac{\pi}{4}t\right) + 1$$

4. Give an equation for the plot below:



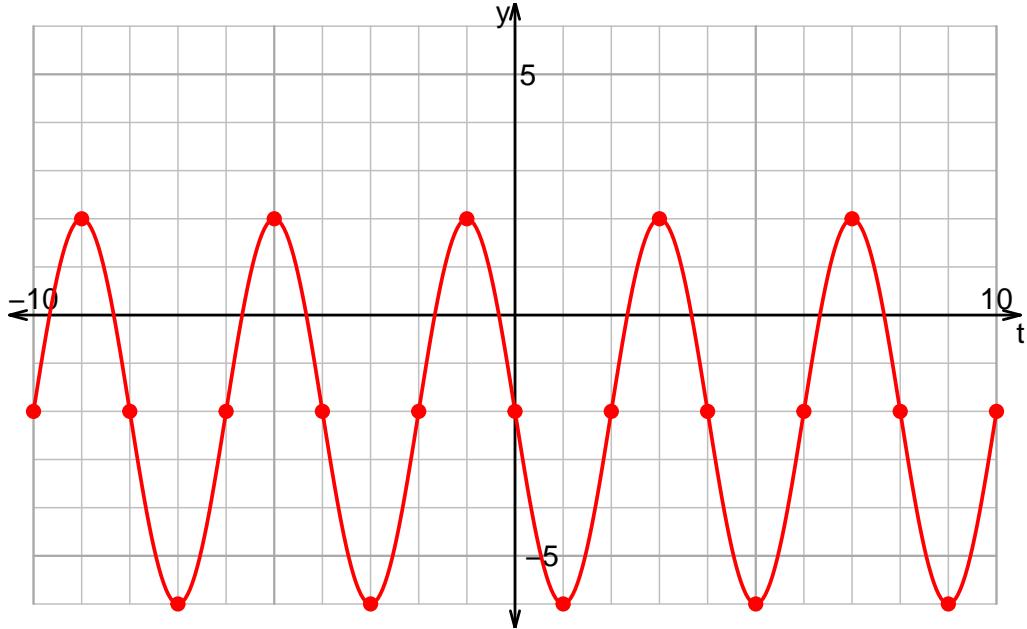
$$y = -4 \cos\left(\frac{\pi}{4}t\right) - 2$$

Name: _____

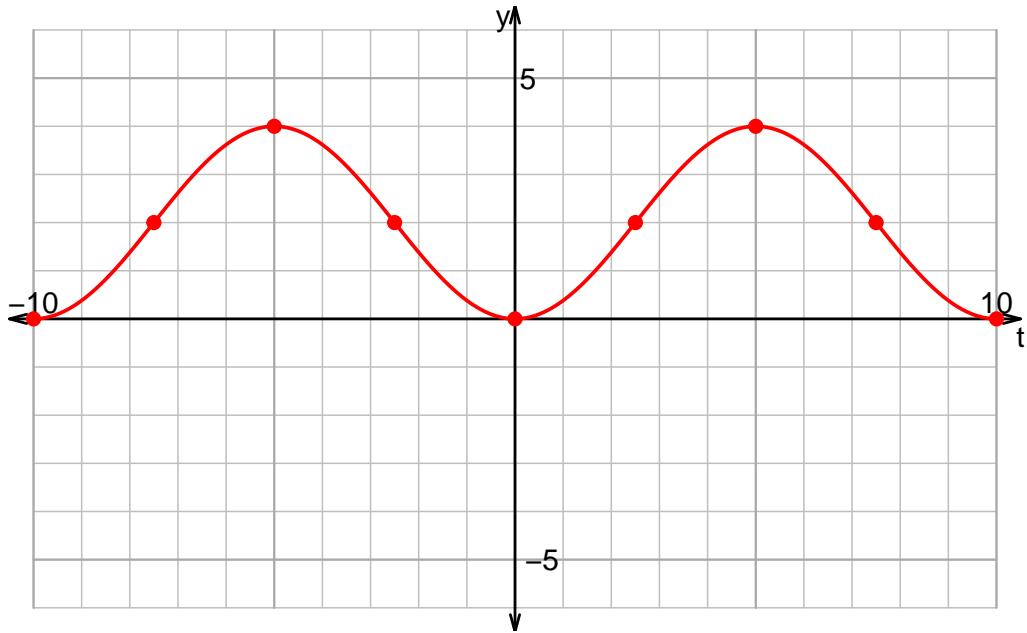
Date: _____

u15ws2: DRAW WAVES (SOLUTION v44)

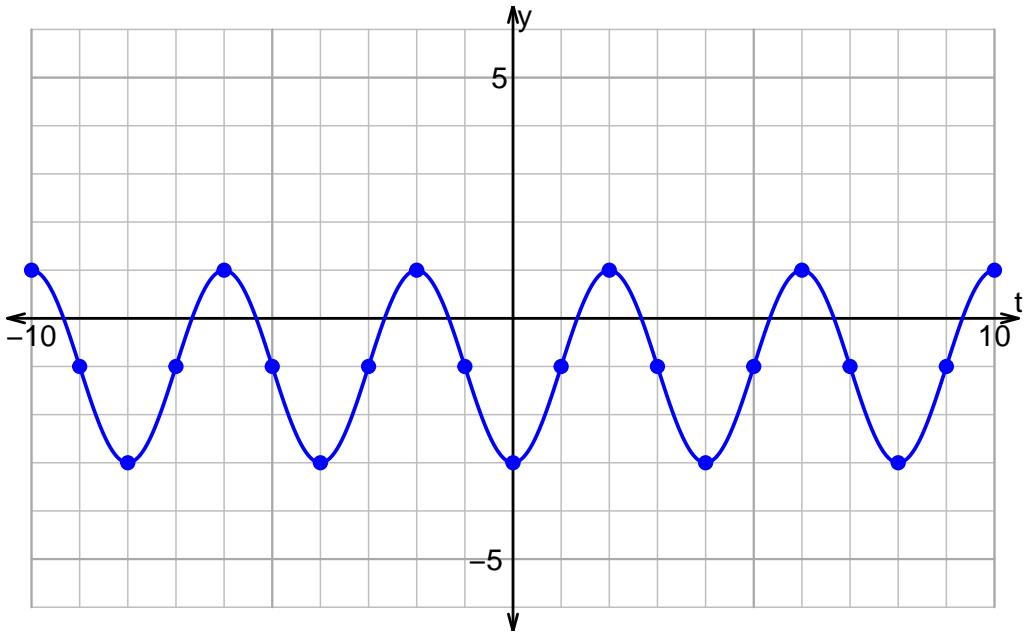
1. Plot $y = -4 \sin\left(\frac{\pi}{2}t\right) - 2$.



2. Plot $y = -2 \cos\left(\frac{\pi}{5}t\right) + 2$.

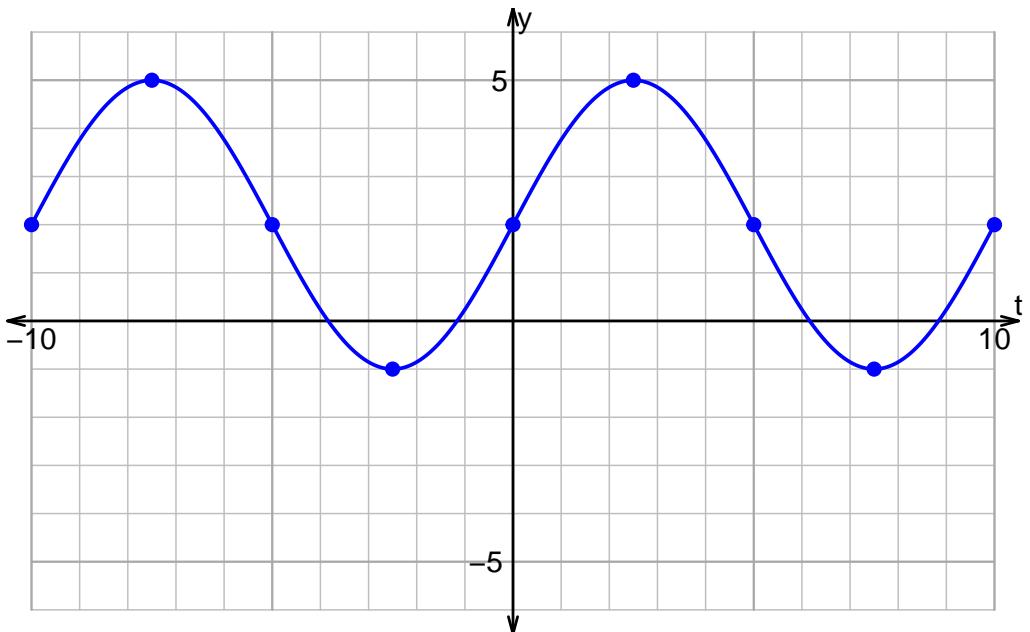


3. Give an equation for the plot below:



$$y = -2 \cos\left(\frac{\pi}{2}t\right) - 1$$

4. Give an equation for the plot below:



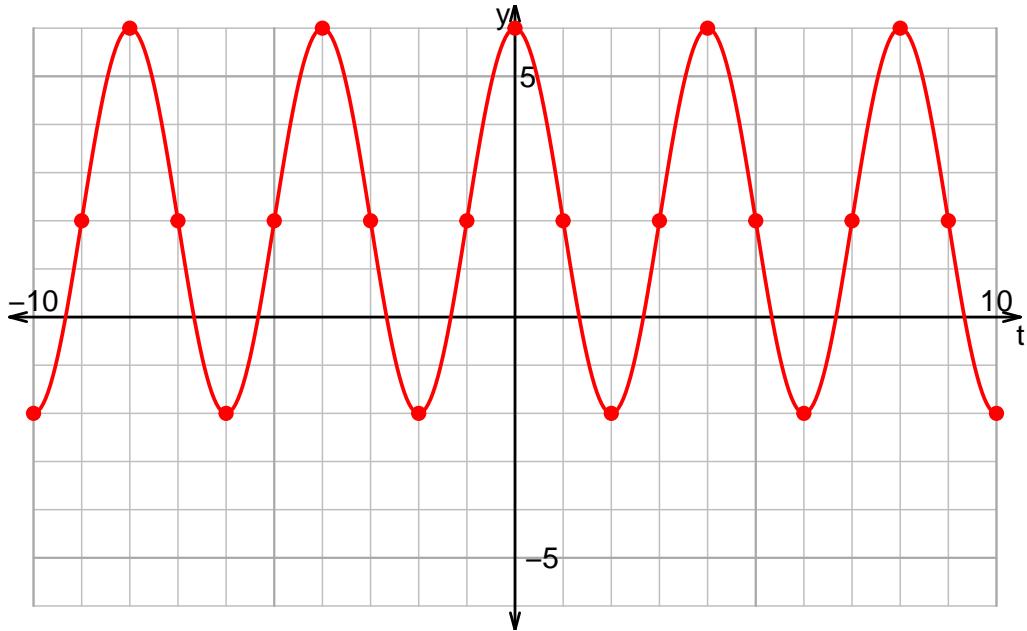
$$y = 3 \sin\left(\frac{\pi}{4}t\right) + 2$$

Name: _____

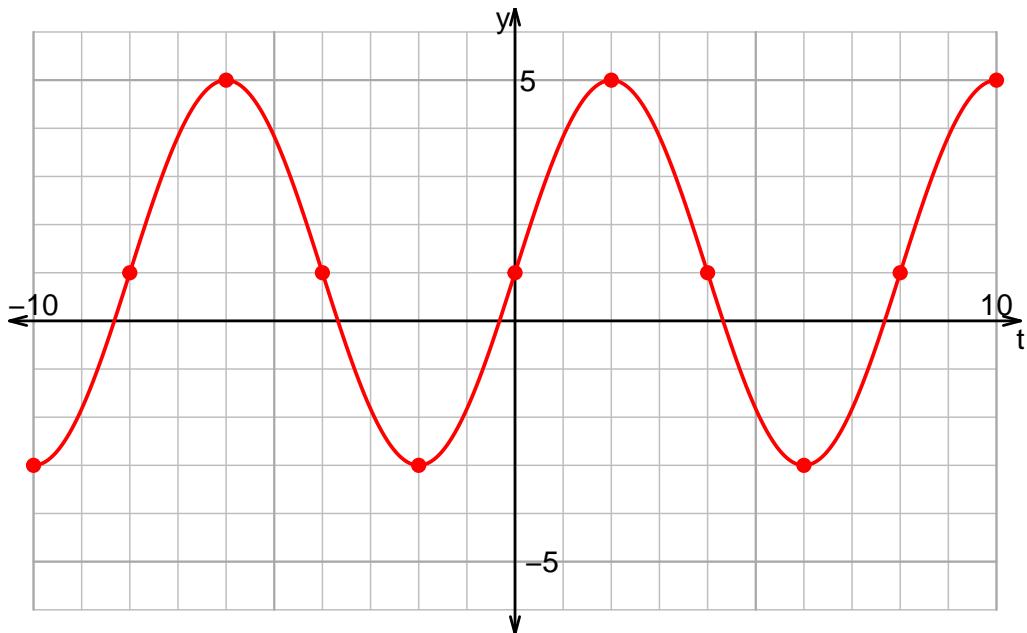
Date: _____

u15ws2: DRAW WAVES (SOLUTION v45)

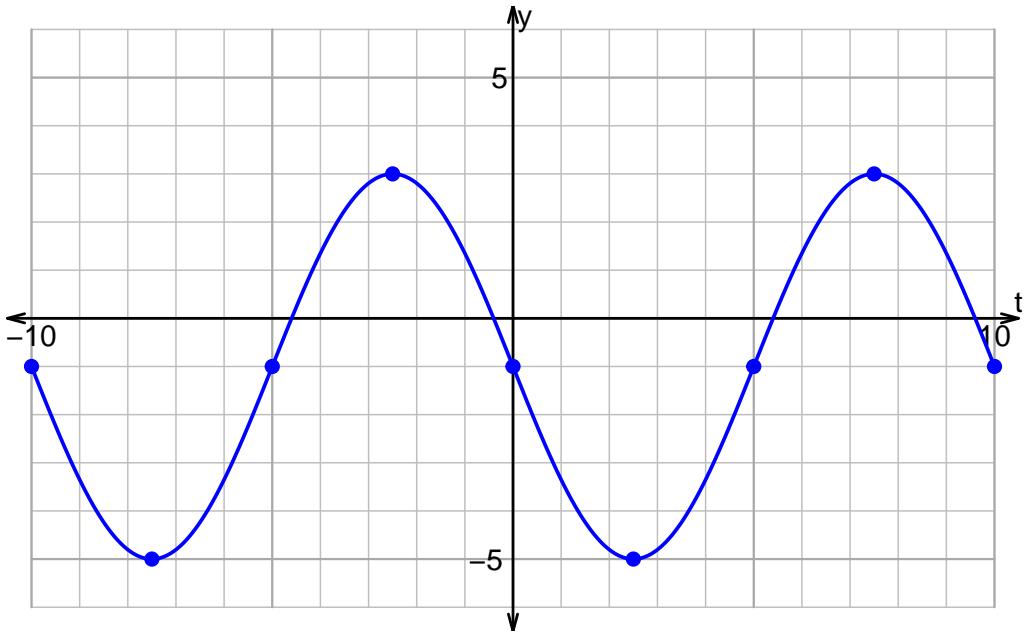
1. Plot $y = 4 \cos\left(\frac{\pi}{2}t\right) + 2$.



2. Plot $y = 4 \sin\left(\frac{\pi}{4}t\right) + 1$.

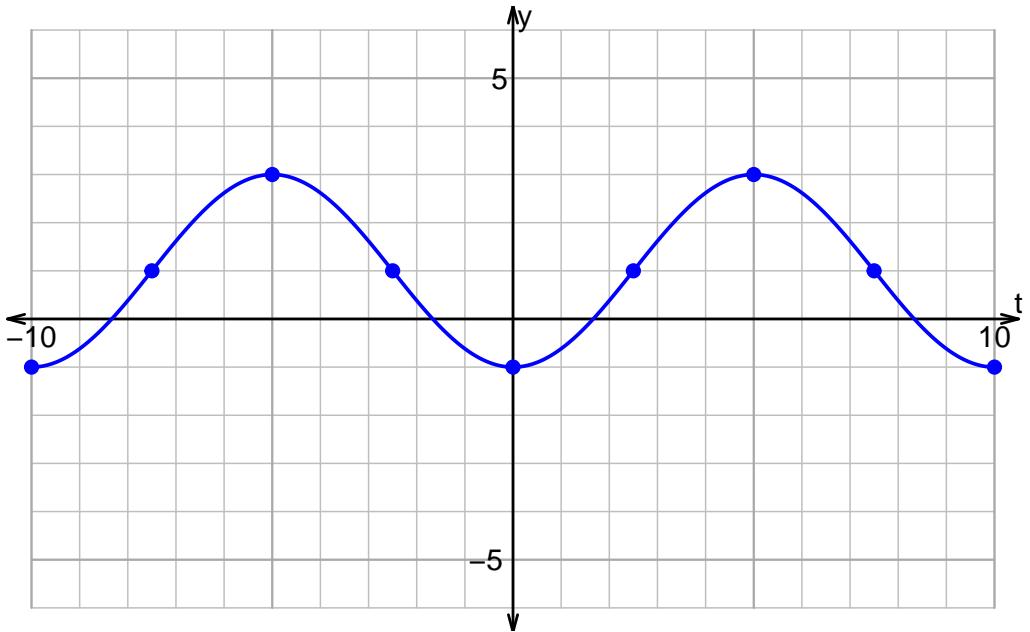


3. Give an equation for the plot below:



$$y = -4 \sin\left(\frac{\pi}{5}t\right) - 1$$

4. Give an equation for the plot below:



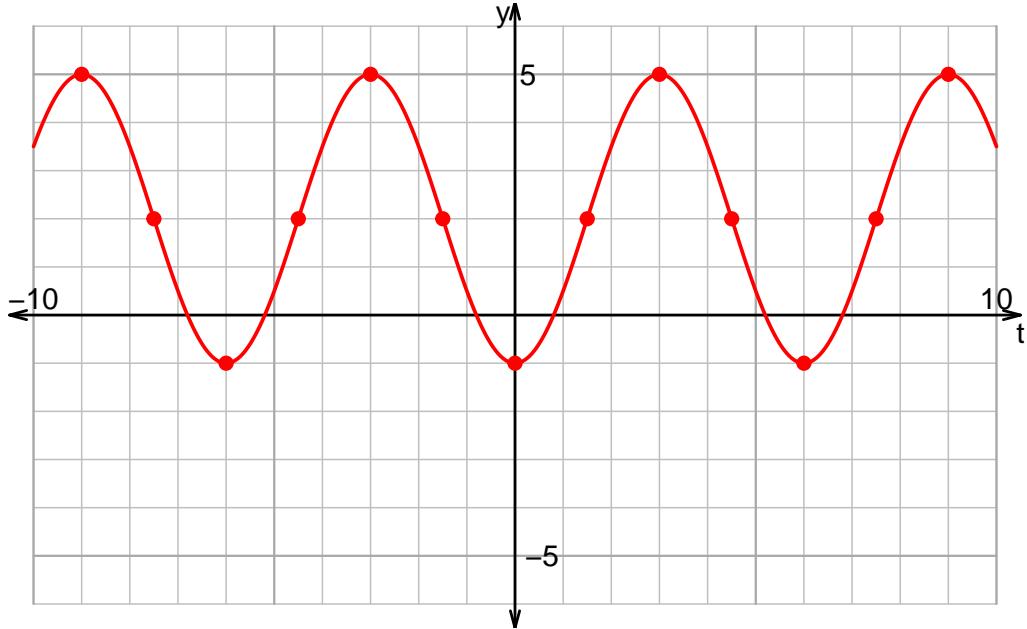
$$y = -2 \cos\left(\frac{\pi}{5}t\right) + 1$$

Name: _____

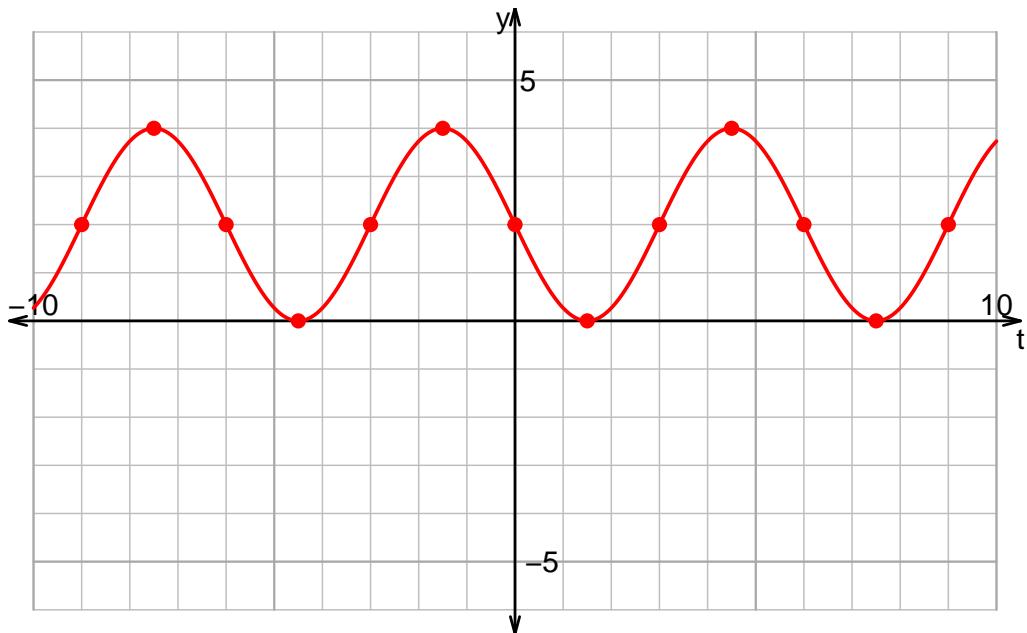
Date: _____

u15ws2: DRAW WAVES (SOLUTION v46)

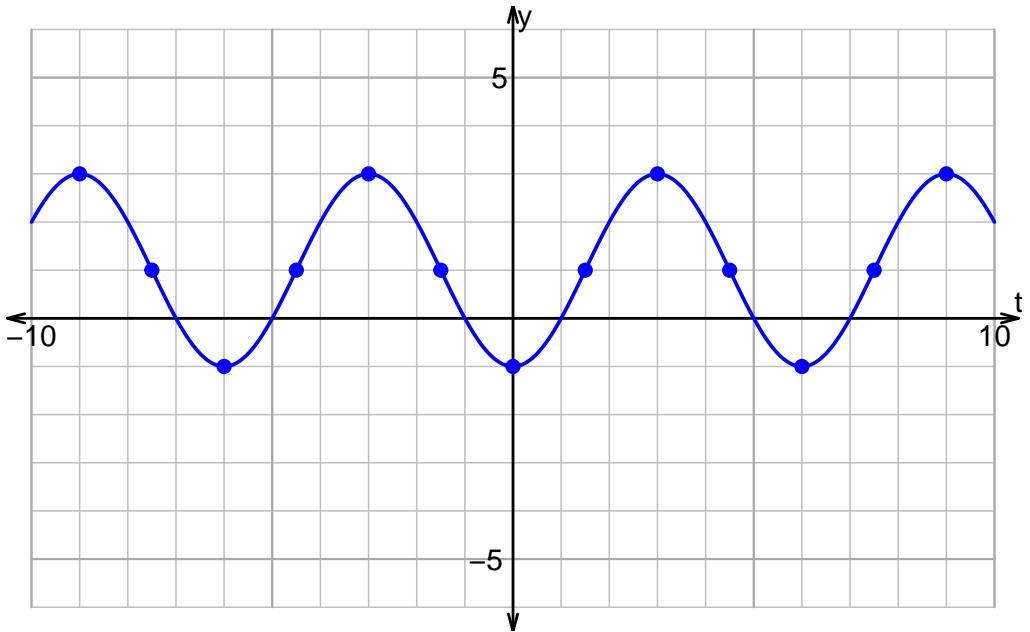
1. Plot $y = -3 \cos\left(\frac{\pi}{3}t\right) + 2$.



2. Plot $y = -2 \sin\left(\frac{\pi}{3}t\right) + 2$.

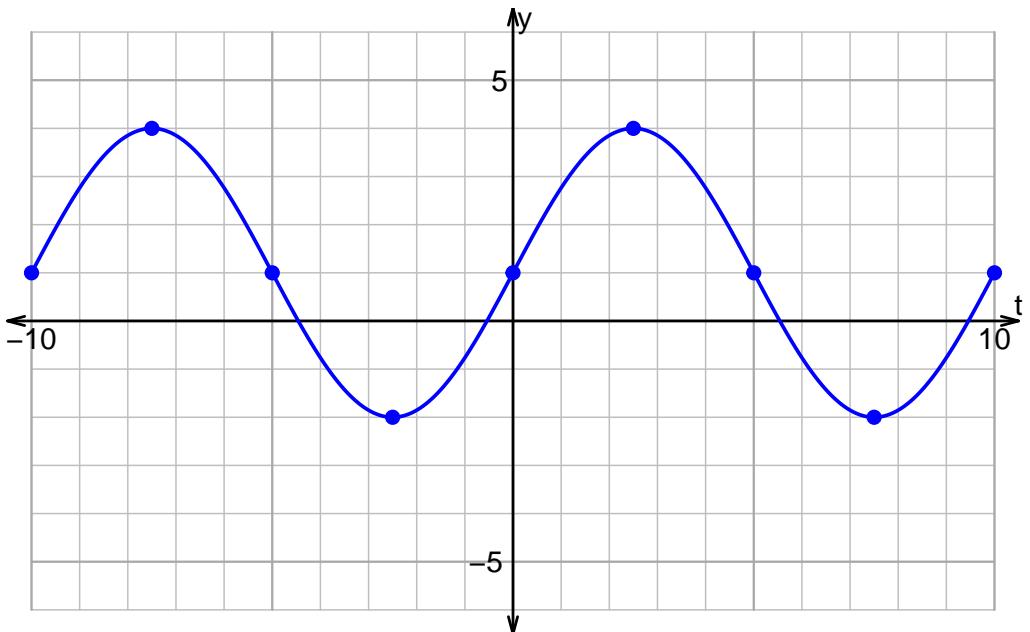


3. Give an equation for the plot below:



$$y = -2 \cos\left(\frac{\pi}{3}t\right) + 1$$

4. Give an equation for the plot below:



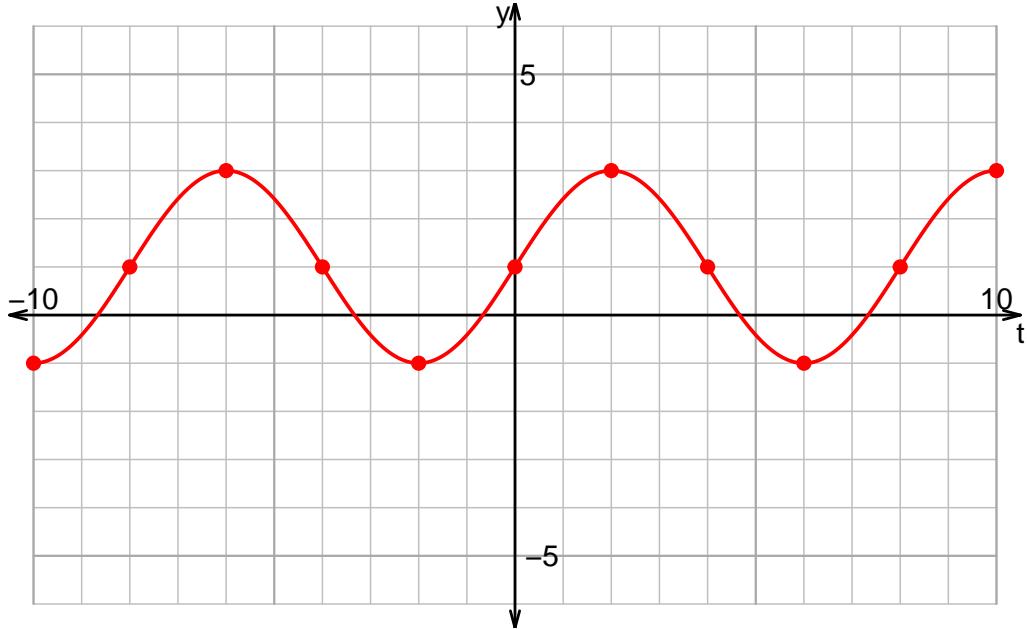
$$y = 3 \sin\left(\frac{\pi}{5}t\right) + 1$$

Name: _____

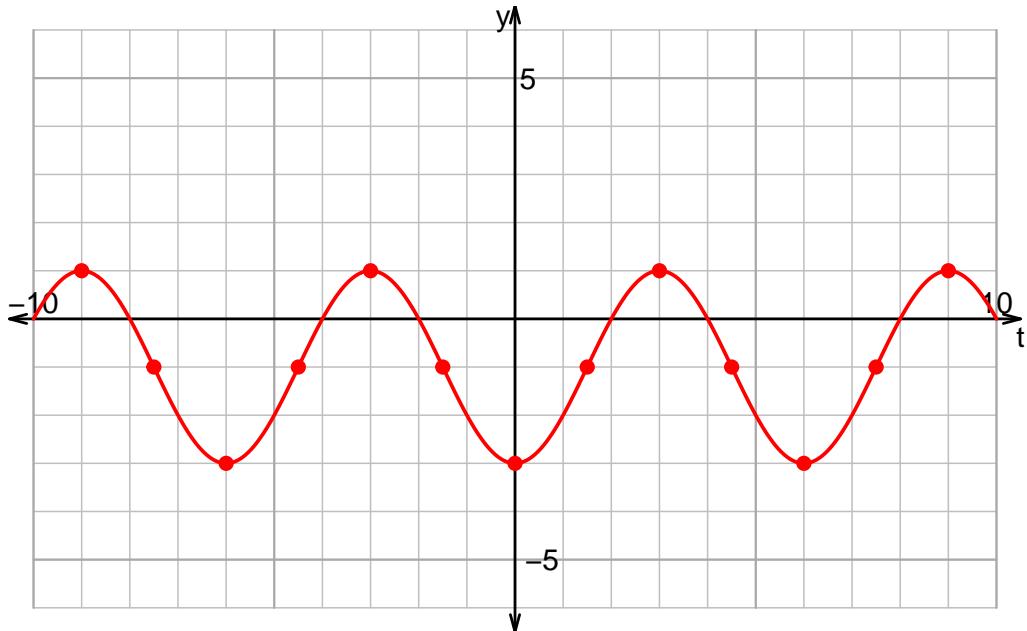
Date: _____

u15ws2: DRAW WAVES (SOLUTION v47)

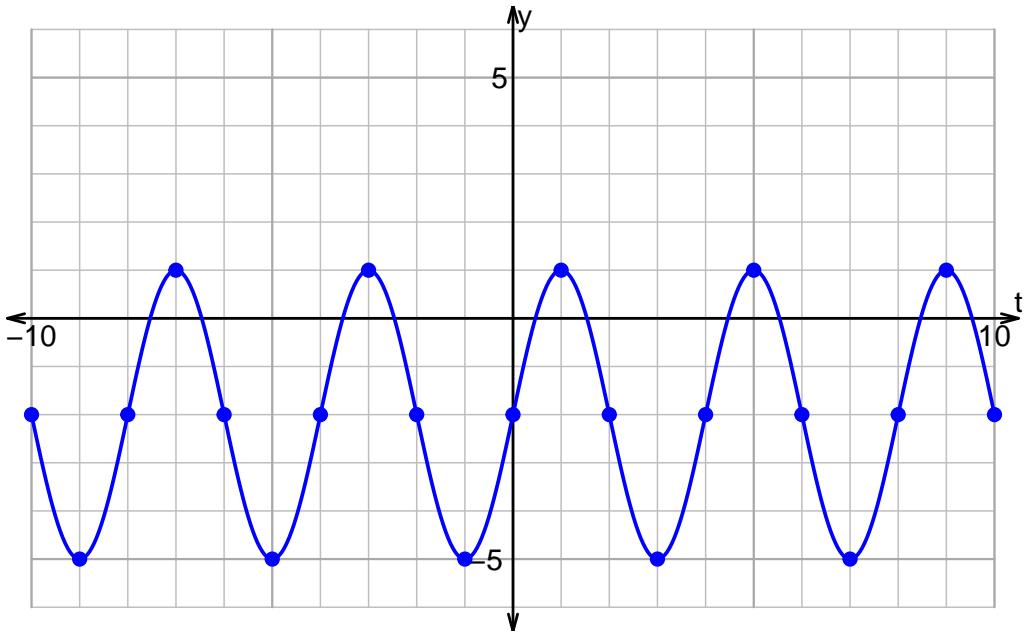
1. Plot $y = 2 \sin\left(\frac{\pi}{4}t\right) + 1$.



2. Plot $y = -2 \cos\left(\frac{\pi}{3}t\right) - 1$.

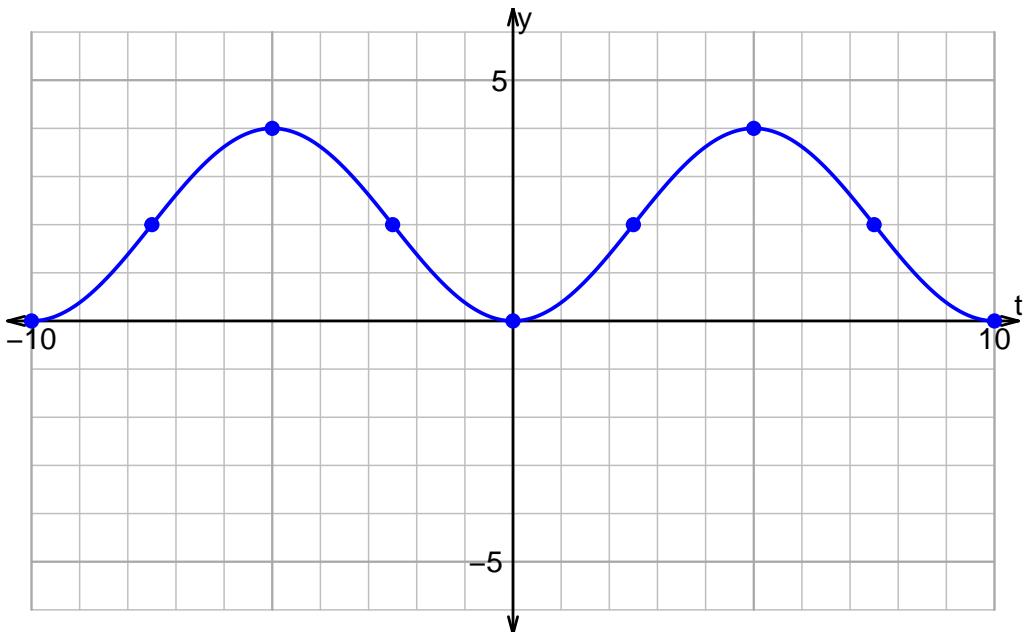


3. Give an equation for the plot below:



$$y = 3 \sin\left(\frac{\pi}{2}t\right) - 2$$

4. Give an equation for the plot below:



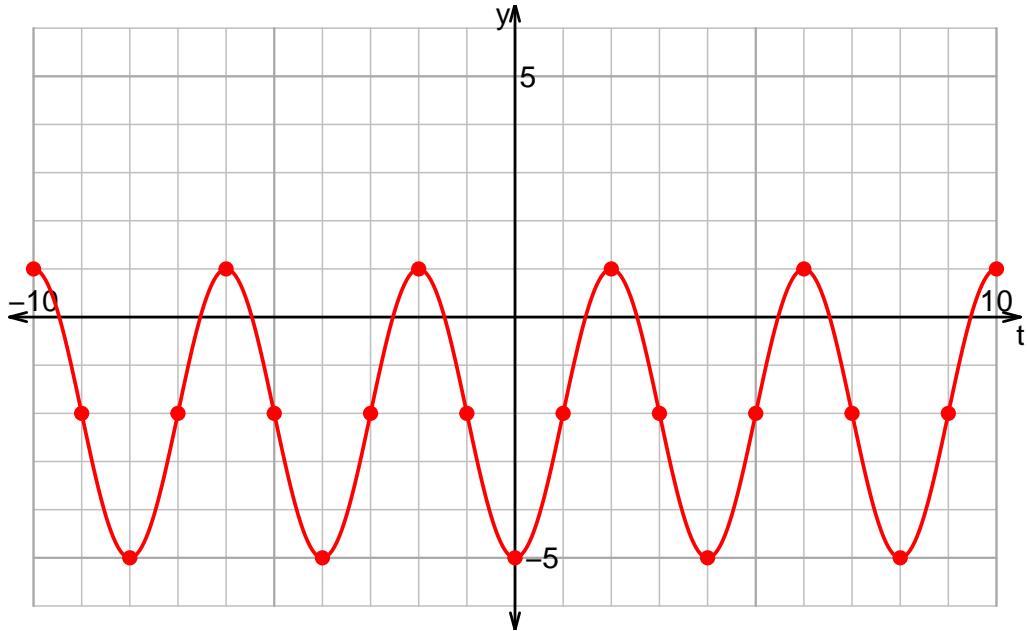
$$y = -2 \cos\left(\frac{\pi}{5}t\right) + 2$$

Name: _____

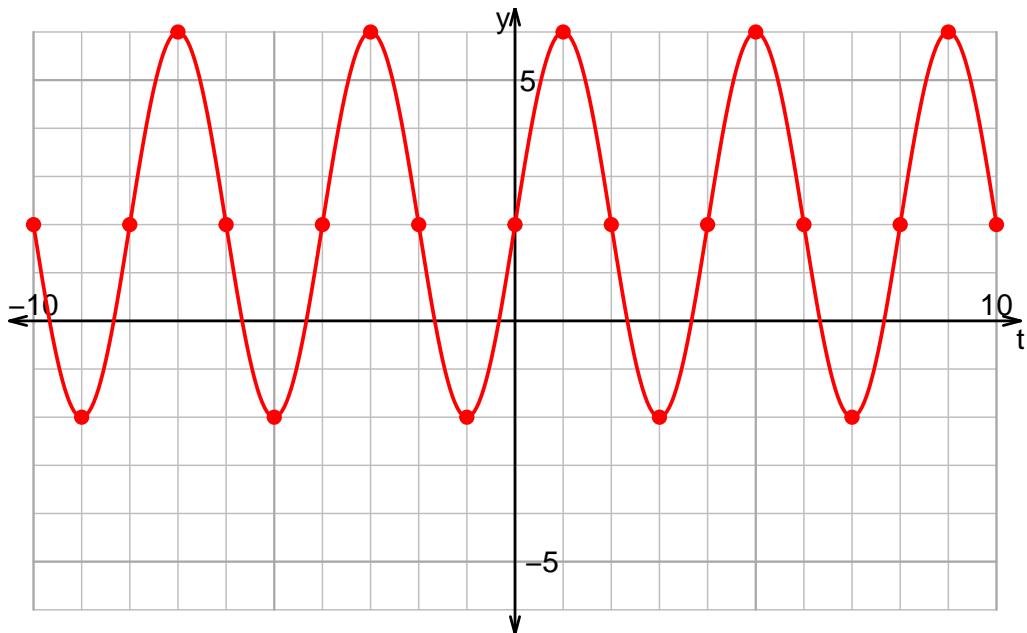
Date: _____

u15ws2: DRAW WAVES (SOLUTION v48)

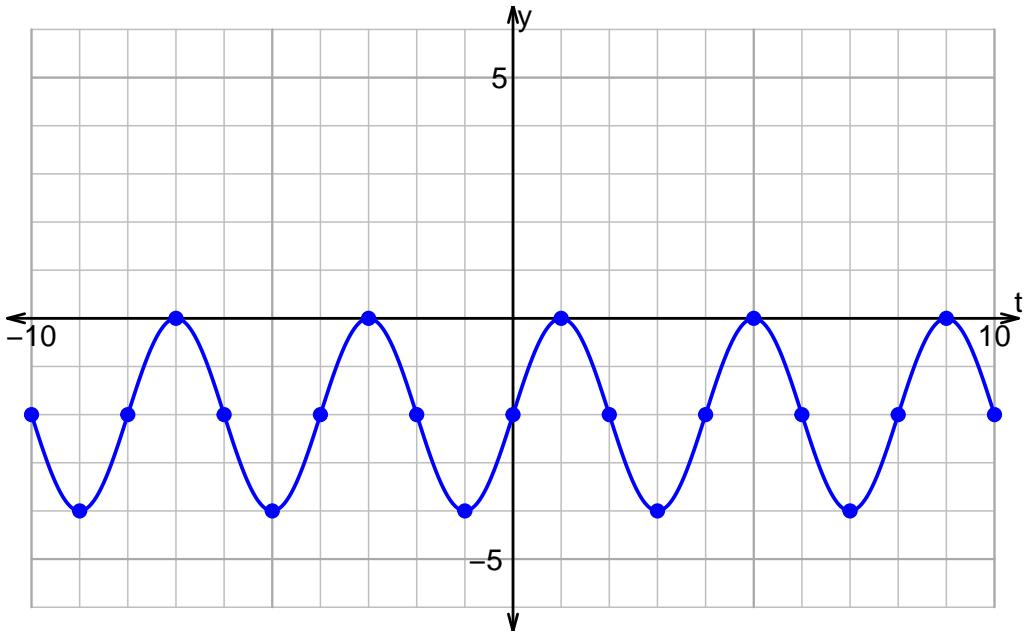
1. Plot $y = -3 \cos\left(\frac{\pi}{2}t\right) - 2$.



2. Plot $y = 4 \sin\left(\frac{\pi}{2}t\right) + 2$.

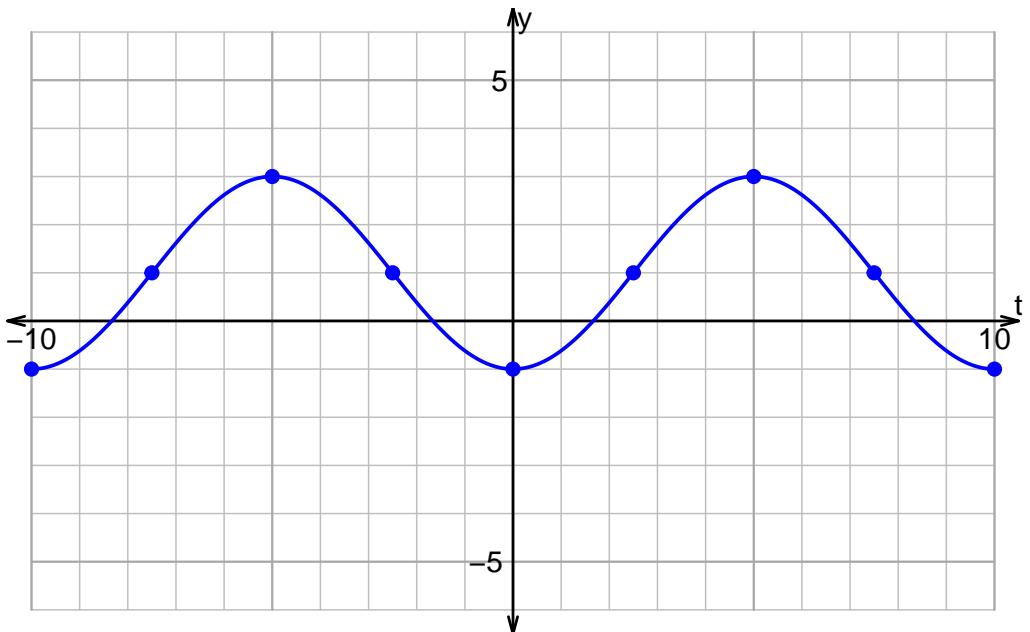


3. Give an equation for the plot below:



$$y = 2 \sin\left(\frac{\pi}{2}t\right) - 2$$

4. Give an equation for the plot below:



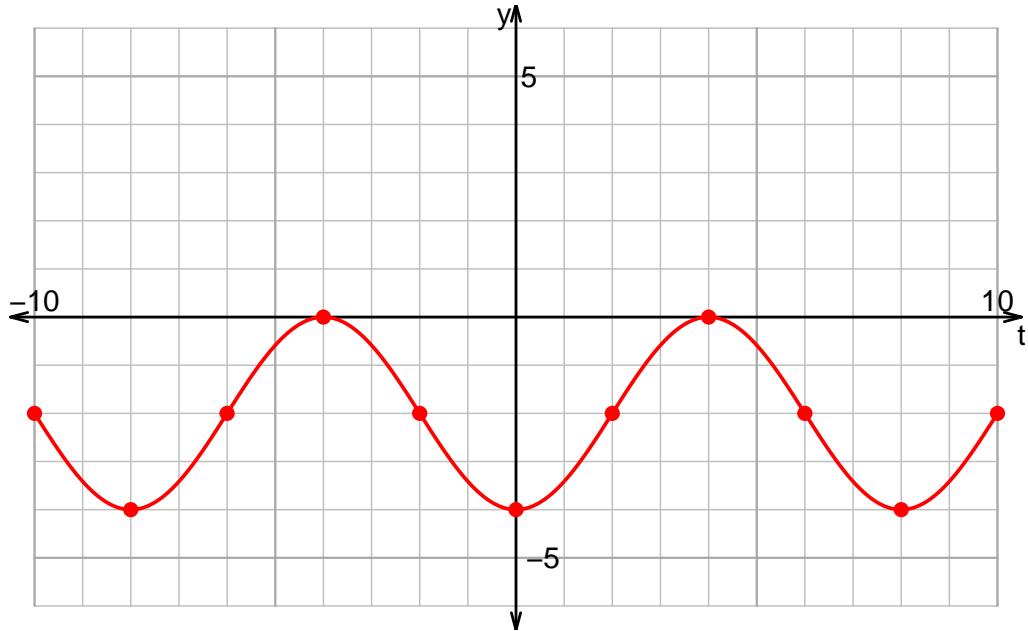
$$y = -2 \cos\left(\frac{\pi}{5}t\right) + 1$$

Name: _____

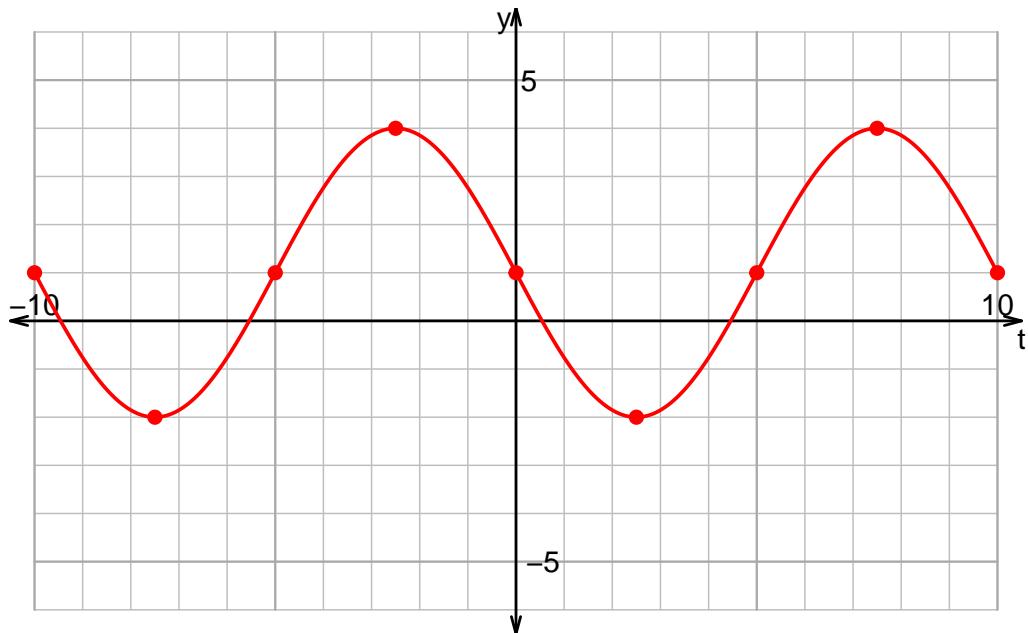
Date: _____

u15ws2: DRAW WAVES (SOLUTION v49)

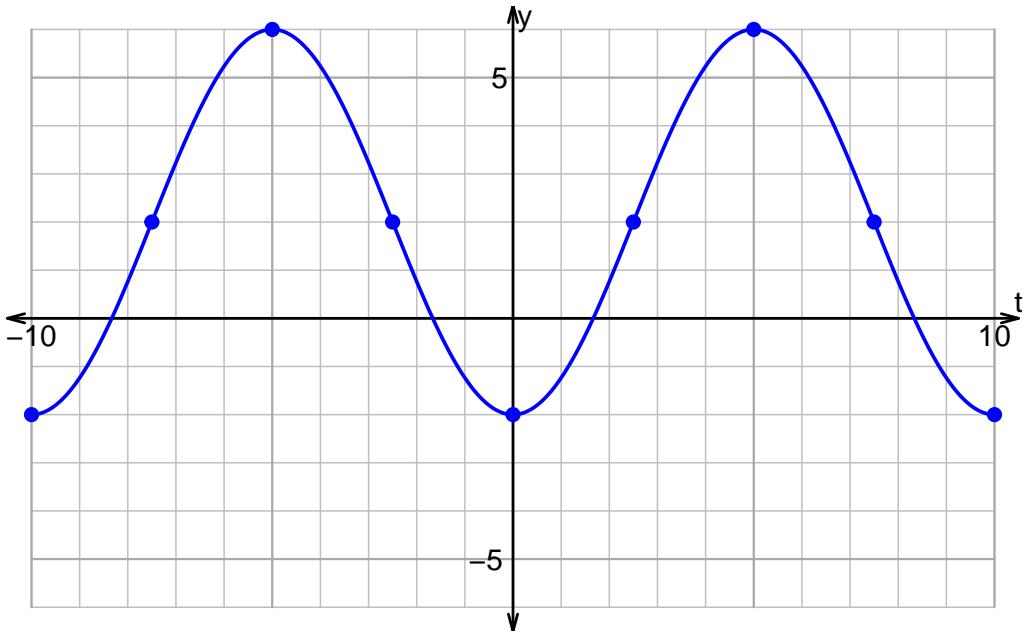
1. Plot $y = -2 \cos\left(\frac{\pi}{4}t\right) - 2$.



2. Plot $y = -3 \sin\left(\frac{\pi}{5}t\right) + 1$.

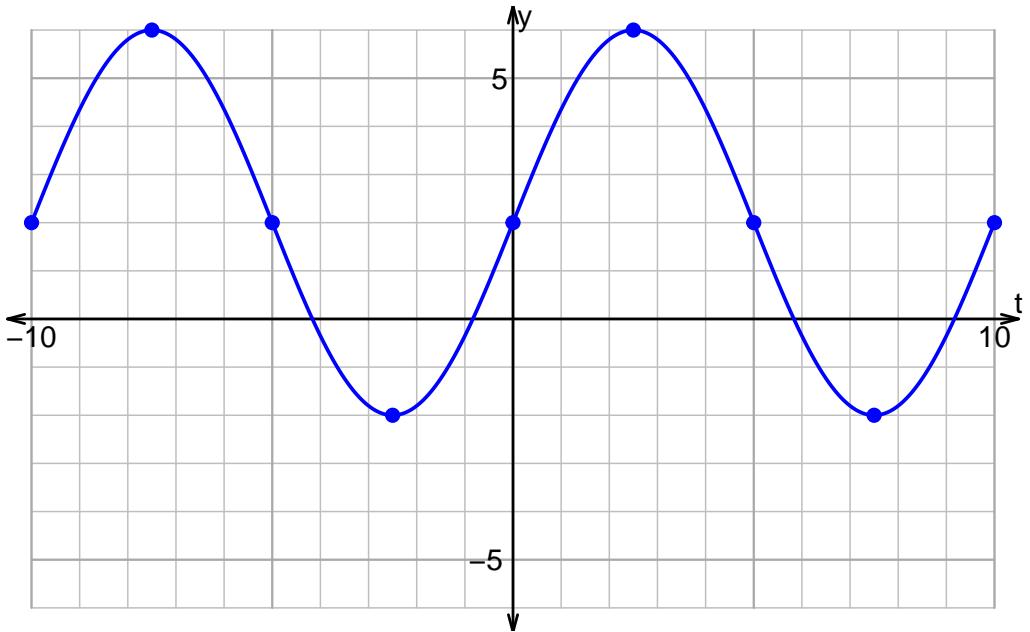


3. Give an equation for the plot below:



$$y = -4 \cos\left(\frac{\pi}{5}t\right) + 2$$

4. Give an equation for the plot below:



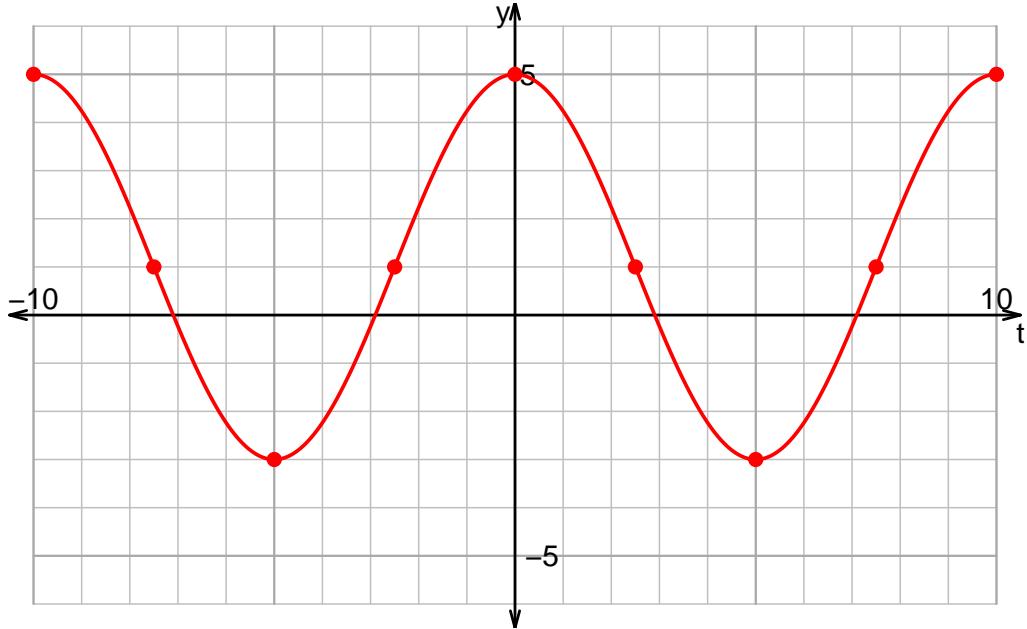
$$y = 4 \sin\left(\frac{\pi}{5}t\right) + 2$$

Name: _____

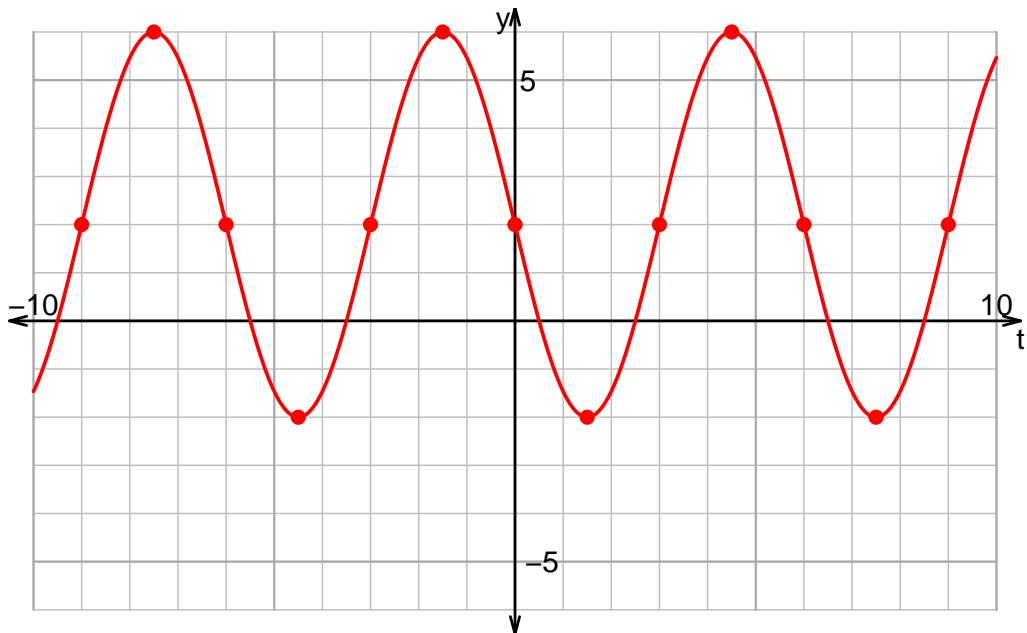
Date: _____

u15ws2: DRAW WAVES (SOLUTION v50)

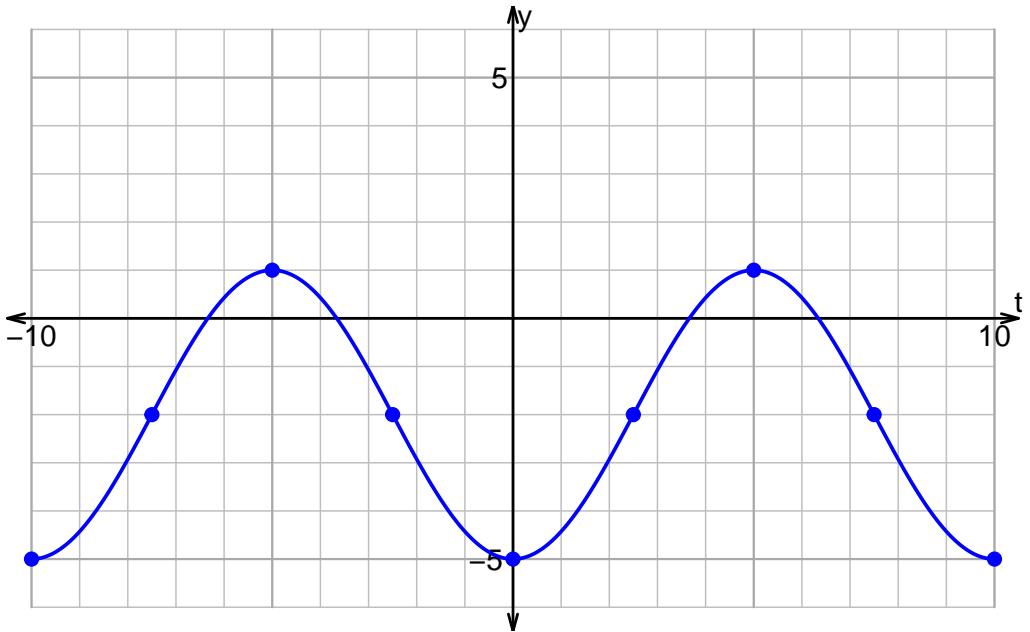
1. Plot $y = 4 \cos\left(\frac{\pi}{5}t\right) + 1$.



2. Plot $y = -4 \sin\left(\frac{\pi}{3}t\right) + 2$.

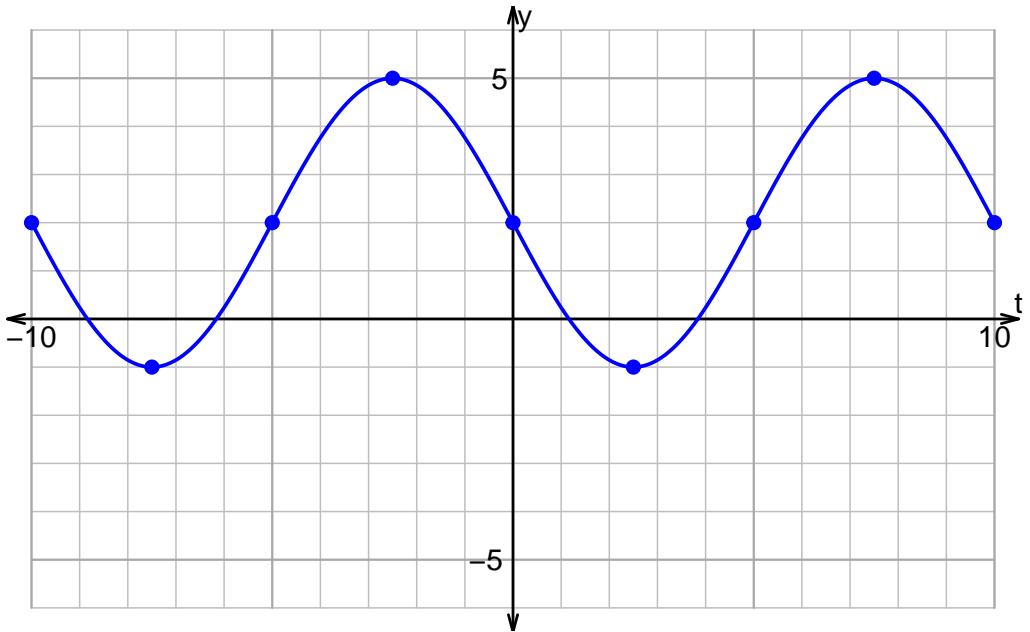


3. Give an equation for the plot below:



$$y = -3 \cos\left(\frac{\pi}{5}t\right) - 2$$

4. Give an equation for the plot below:



$$y = -3 \sin\left(\frac{\pi}{5}t\right) + 2$$